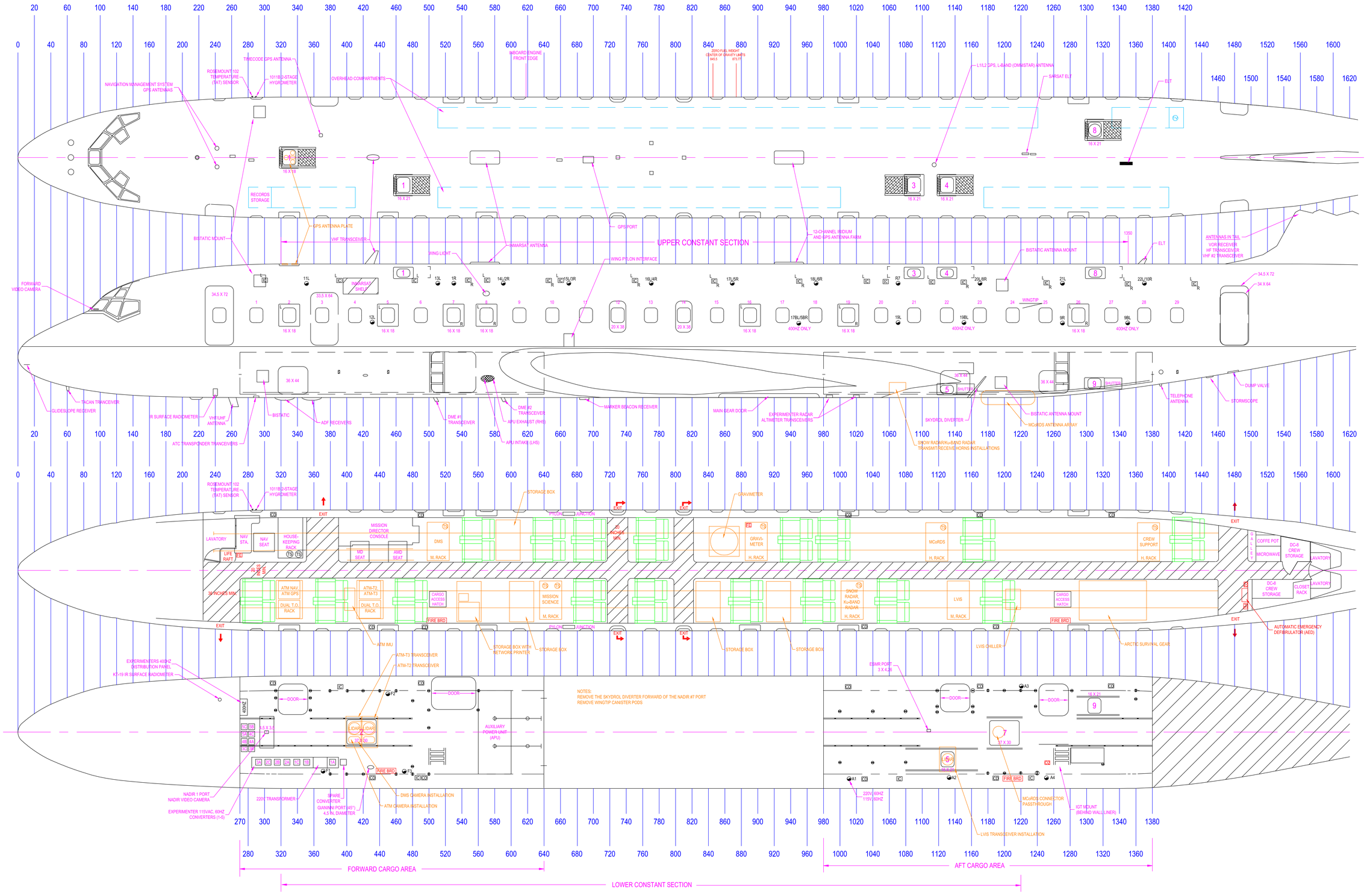
REVISION HISTORY				
REV	ZONE	DESCRIPTION	DATE	APPROVAL



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	LEUSCHEN	NSERC DC800074
NADIR #7	MCoRDS RADAR ANTENNA ARRAY	LEUSCHEN	KU DRAWING
-	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
FS1070L	SNOW/Ku-BAND RADAR RECEIVE HORNS	LEUSCHEN	NSERC DC800082
FS1210L	LVIS CHILLER INSTALLATION	BLAIR	NSERC DC800094
FS860R	GRAVIMETER INSTALLATION	BELL	NSERC DC800075
FS1070R	SNOW/Ku-BAND RADAR TRANSMIT HORNS	LEUSCHEN	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
FS650L	MEDIUM	MISSION SCIENCE	NASA HQ	MARTIN
FS1015L	HIGH	SNOW RADAR/Ku-RADAR	UNIV. OF KANSAS	LEUSCHEN
FS1145L	MEDIUM	LVIS	GSFC	BLAIR
FS515R	MEDIUM	DMS/POS AV	OSU/JC-SANTA CRUZ	SCHENK/MYERS
FS895R	HIGH	GRAVIMETER	LDEO	BELL
FS1175R	HIGH	MCoRDS	UNIV. OF KANSAS	LEUSCHEN
FS1375R	HIGH	DFRC SUPPORT	DFRC	N/A

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	LEUSCHEN
LVIS	BLAIR
MCoRDS	LEUSCHEN
MISSION SCIENCE	MARTIN
POS-AV	MYERS
SNOW RADAR	LEUSCHEN

RACKS

TYPE	QTY
HIGH	4
MEDIUM	3
DUAL TWIN OTTER	2
STOW BOX	6
TOTAL	15

SEATS

TYPE	LEFT	RIGHT	TOTAL
STANDARD	18	16	34
MISSION DIRECTOR			2
NAVIGATOR			1
FLIGHT CREW			4
TOTAL	18	16	41

LEGEND

- POWER OUTLET
- INTERCOM BOX (IC)
- CABLE DUCT (CD)
- SMALL CABLE DUCT (SCD)
- LEFT (L)
- RIGHT (R)
- CARGO TIEDOWN
- STATIC PORT
- FIRE EXTINGUISHER (FE)
- OXYGEN SENSOR (O2)
- UNINTERRUPTIBLE 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	9/10/10
DRAWN	A. WEBSTER	ALW	9/10/10
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
THE UNIVERSITY OF NORTH DAKOTA

DRAWING INTERPRETED PER GSFC-X673-64-1

TITLE
OPERATION ICE BRIDGE INSTRUMENT LOADING FLOORPLAN SEPTEMBER-OCTOBER 2010, DC-8/N817NA

SIZE	DWG NO.	REV
E	DC800129	-

CODE | SCALE | WT | SHT 1 OF 1