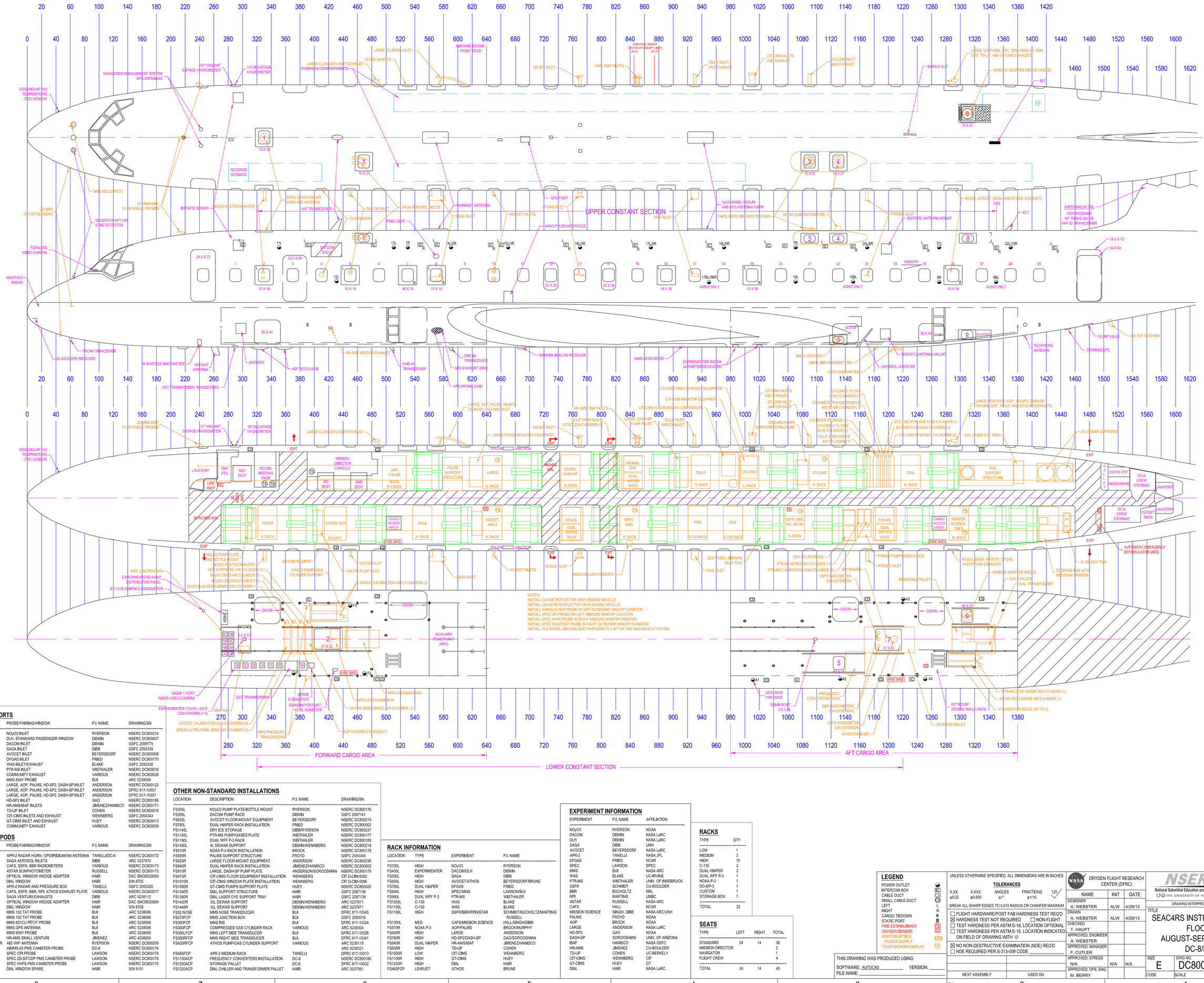
REVISION HISTORY				
REV	ZONE	DESCRIPTION	DATE	APPROVAL



PASSENGER PORTS

PORT	PROBE/FAIRING/WINDOW	P.I. NAME	DRAWING/SN
FS330L	NOyO3 INLET	RYERSON	NSERC DC800214
FS410L	DLH, STANDARD PASSENGER WINDOW	DISKIN	NSERC DC800007
FS450L	DACOM INLET	DISKIN	GSFC 2099775
FS570L	SAGA INLET	DIBB	GSFC 2093339
FS650L	AVOCET INLET	BEYERSDORF	NSERC DC800008
FS770L	DFGAS INLET	FRIED	NSERC DC800170
FS930L	WAS INLET/EXHAUST	BLAKE	GSFC 2093338
FS1170L	PTR-MS INLET	WISTHALER	NSERC DC800010
FS1290L	COMMUNITY EXHAUST	VARIOUS	NSERC DC800028
FS245R	MMS 859Y PROBE	BUI	ARC 5238006
FS490R	LARGE, AOP, PALMS, HD-SP2, DASH-SP INLET	ANDERSON	NSERC DC800122
FS570R	LARGE, AOP, PALMS, HD-SP2, DASH-SP INLET	ANDERSON	DFRC 817-10557
FS610R	LARGE, AOP, PALMS, HD-SP2, DASH-SP INLET	ANDERSON	DFRC 817-10557
FS770R	HD-SP2 INLET	GAO	NSERC DC800186
FS850R	HR-AMS/ISAF INLETS	JIMENEZ/HANISCO	NSERC DC800171
FS930R	TD-LIF INLET	COHEN	NSERC DC800216
FS1010R	CIT-CIMS INLETS AND EXHAUST	WENNBERG	GSFC 2093343
FS1090R	GT-CIMS INLET AND EXHAUST	HUEY	NSERC DC800013
FS1290R	COMMUNITY EXHAUST	VARIOUS	NSERC DC800029

OTHER PORTS/PODS

PORT	PROBE/FAIRING/WINDOW	P.I. NAME	DRAWING/SN
ZENITH #1	APR-2 RADAR HORN, GPS/IRIDIUM/XM ANTENNA	TANELL/DC-8	NSERC DC800172
62" #1	SAGA AEROSOL INLETS	DIBB	ARC 5237470
62" #3	CAFS, SSFR, BBR RADIOMETERS	VARIOUS	NSERC DC800173
62" #4	4STAR SUNPHOTOMETER	RUSSELL	NSERC DC800173
62" #8	OPTICAL WINDOW WEDGE ADAPTER	HAIR	DAC SMO8530059
62" #8	DIAL WINDOW	HAIR	S/N 8705
NADIR #2	APR-2 RADAR AND PRESSURE BOX	TANELLI	GSFC 2093320
NADIR #7	CAFS, SSFR, BBR, RPI, ATHOS EXHAUST PLATE	VARIOUS	NSERC DC800017
NADIR #5	SAGA VENTURI EXHAUSTS	DIBB	ARC 5238112
NADIR #9	OPTICAL WINDOW WEDGE ADAPTER	HAIR	DAC SMO8530084
NADIR #9	DIAL WINDOW	HAIR	S/N 8708
FS49L	MMS 102 TAT PROBE	BUI	ARC 5238006
FS49 NADIR	MMS 102 TAT PROBE	BUI	ARC 5238006
FS64R	MMS 851CU PITOT PROBE	BUI	ARC 5238006
FS660 ZENITH	MMS GPS ANTENNA	BUI	ARC 5238006
SEXTANT	MMS 859Y PROBE	BUI	ARC 5238006
FS430L, 45°, GIANNINI	HR-AMS SMALL VENTURI	JIMENEZ	ARC 4238200
FS1510L, AFT LAV DOOR	AIS VHF ANTENNA	RYERSON	NSERC DC800209
LEFT OB LOCATION	AIMMS-20 PMS CANISTER PROBE	DC-8	NSERC DC800174
LEFT IB LOCATION	SPEC CPI PROBE	LAWSON	NSERC DC800174
RIGHT IB LOCATION	SPEC 2D-S/FCDP PMS CANISTER PROBE	LAWSON	NSERC DC800175
RIGHT OB LOCATION	SPEC HVPS PMS CANISTER PROBE	LAWSON	NSERC DC800175
-	DIAL WINDOW SPARE	HAIR	S/N 9101

OTHER NON-STANDARD INSTALLATIONS

LOCATION	DESCRIPTION	P.I. NAME	DRAWING/SN
FS305L	NOyO3 PUMP PLATE/BOTTLE MOUNT	RYERSON	NSERC DC800176
FS396L	DACOM PUMP RACK	DISKIN	GSFC 2087141
FS625L	AVOCET FLOOR-MOUNT EQUIPMENT	BEYERSDORF	NSERC DC800219
FS760L	DUAL HIAPER RACK INSTALLATION	FRIED	NSERC DC800002
FS1145L	DRY ICE STORAGE	DIBB/RYERSON	NSERC DC800237
FS1165L	PTR-MS PUMP/GASES PLATE	WISTHALER	NSERC DC800177
FS1190L	DUAL WFF P-3 RACK	WISTHALER	NSERC DC800185
FS1450L	4L DEWAR SUPPORT	DISKIN/WENNBERG	NSERC DC800218
FS510R	NOAA P-3 RACK INSTALLATION	BROCK	NSERC DC800178
FS590R	PALMS SUPPORT STRUCTURE	FROYD	GSFC 2093349
FS625R	LARGE FLOOR-MOUNT EQUIPMENT	ANDERSON	NSERC DC800236
FS840R	DUAL HIAPER RACK INSTALLATION	JIMENEZ/HANISCO	NSERC DC800002
FS910R	LARGE, DASH-SP PUMP PLATE	ANDERSON/SOROOSHIAN	NSERC DC800179
FS975R	CIT-CIMS FLOOR EQUIPMENT INSTALLATION	WENNBERG	CIT D-CIM-5092
FS1010R	CIT-CIMS WINDOW PLATE INSTALLATION	WENNBERG	CIT D-CIM-5096
FS1080R	GT-CIMS PUMPS SUPPORT PLATE	HUEY	NSERC DC800020
FS1340R	DIAL SUPPORT STRUCTURE	HAIR	GSFC 2087138
FS1380R	DIAL LASER DYE SUPPORT TRAY	HAIR	GSFC 2087139
FS1420R	35L DEWAR SUPPORT	DISKIN/WENNBERG	ARC 5237671
FS1445R	35L DEWAR SUPPORT	DISKIN/WENNBERG	ARC 5237671
FS52 NOSE	MMS NOSE TRANSDUCER	BUI	DFRC 817-10340
FS270 NADIR	MMS JUNCTION BOX	BUI	GSFC 2093318
FS300FCP	MMS INS	BUI	DFRC 817-10324
FS380FCP	COMPRESSED GAS CYLINDER RACK	VARIOUS	ARC 5238304
FS390LFCP	MMS LEFT SIDE TRANSDUCER	BUI	DFRC 817-10326
FS390RFCP	MMS RIGHT SIDE TRANSDUCER	BUI	DFRC 817-10341
FS420RFCP	ATHOS PUMP/GAS CYLINDER SUPPORT	VARIOUS	ARC 5238304 ARC 5238321
FS465FCP	APR-2 MEDIUM RACK	TANELLI	DFRC 817-10313
FS1150ACP	FREQUENCY CONVERTERS INSTALLATION	DC-8	NSERC DC800180
FS1200ACP	STORAGE PALLET	DC-8	DFRC 817-10032
FS1320ACP	DIAL CHILLER AND TRANSFORMER PALLET	HAIR	ARC 5237561

RACK INFORMATION

LOCATION	TYPE	EXPERIMENT	P.I. NAME
FS330L	HIGH	NOyO3	RYERSON
FS430L	EXPERIMENTER	DACOM/DLH	DISKIN
FS550L	HIGH	SAGA	DIBB
FS650L	HIGH	AVOCET/ATHOS	BEYERSDORF/BRUNE
FS760L	HIGH	DFGAS	FRIED
FS840L	HIGH	SPEC/MMS	LAWSON/BUI
FS950L	DUAL WFF P-3	PTR-MS	WISTHALER
FS1050L	C-130	WAS	BLAKE
FS1105L	C-130	WAS	BLAKE
FS1190L	HIGH	SSFR/BBR/RPI/4STAR	SCHMIDT/BUCHOLTZ/MARTINS/ RUSSELL
FS1300L	MED	CAFS/MISSION SCIENCE	HALL/SINGH/DIBB
FS510R	NOAA P-3	AOP/PALMS	BROCK/MURPHY
FS645R	HIGH	LARGE	ANDERSON
FS760R	HIGH	HD-SP2/DASH-SP	GAO/SOROOSHIAN
FS840R	DUAL HIAPER	HR-AMS/ISAF	JIMENEZ/HANISCO
FS935R	HIGH	TD-LIF	COHEN
FS1050R	LOW	CIT-CIMS	WENNBERG
FS1100R	HIGH	GT-CIMS	HUEY
FS1230R	HIGH	DIAL	HAIR
FS460FCP	LEARJET	ATHOS	BRUNE

EXPERIMENT INFORMATION

EXPERIMENT	P.I. NAME	AFFILIATION
NOyO3	RYERSON	NOAA
DACOM	DISKIN	NASA LaRC
DLH	DISKIN	NASA LaRC
SAGA	DIBB	UNH
AVOCET	BEYERSDORF	NASA LaRC
APR-2	TANELLI	NASA JPL
DFGAS	FRIED	NCAR
SPEC	LAWSON	SPEC
MMS	BUI	NASA ARC
WAS	BLAKE	UC-IRVINE
PTR-MS	WISTHALER	UNIV. OF INNSBRUCK
SSFR	SCHMIDT	CU-BOULDER
BBR	BUCHOLTZ	NRL
RPI	MARTINS	UMBC
4STAR	RUSSELL	NASA ARC
CAFS	HALL	NCAR
MISSION SCIENCE	SINGH, DIBB	NASA ARC/UNH
PALMS	FROYD	NOAA
AOP	BROCK	NOAA
LARGE	ANDERSON	NASA LaRC
HD-SP2	GAO	NOAA
DASH-SP	SOROOSHIAN	UNIV. OF ARIZONA
ISAF	HANISCO	NASA GSFC
HR-AMS	JIMENEZ	CU-BOULDER
TD-LIF	COHEN	UC-BERKELEY
CIT-CIMS	WENNBERG	CIT
GT-CIMS	HUEY	GT
DIAL	HAIR	NASA LaRC

RACKS

TYPE	QTY
LOW	1
MEDIUM	2
HIGH	10
C-130	2
DUAL HIAPER	2
DUAL WFF P-3	1
NOAA P-3	1
DC-8/P-3	1
CUSTOM	1
STORAGE BOX	1
TOTAL	22

SEATS

TYPE	LEFT	RIGHT	TOTAL
STANDARD	24	14	38
MISSION DIRECTOR			2
NAVIGATOR			1
FLIGHT CREW			4
TOTAL	24	14	45

LEGEND

POWER OUTLET
INTERCOM BOX (IC)
CABLE DUCT
SMALL CABLE DUCT (CD)
LEFT (L)
RIGHT (R)
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	4/28/13
DRAWN A. WEBSTER	ALW	4/28/13
CHECKED T. HAUPT		
APPROVED: ENGINEER A. WEBSTER		
APPROVED: MANAGER F. CUTLER		
APPROVED: STRESS N/A	N/A	N/A
APPROVED: OPS. ENG. M. BERRY		

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

DRAWING INTERPRETED PER GSFC-X673-64-1

TITLE
SEAC4RS INSTRUMENT LOADING FLOORPLAN
AUGUST-SEPTEMBER 2013,
DC-8/N817NA

SIZE	DWG NO.	REV
E	DC800213	-
CODE	SCALE	WT	SHT 1 OF 1
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