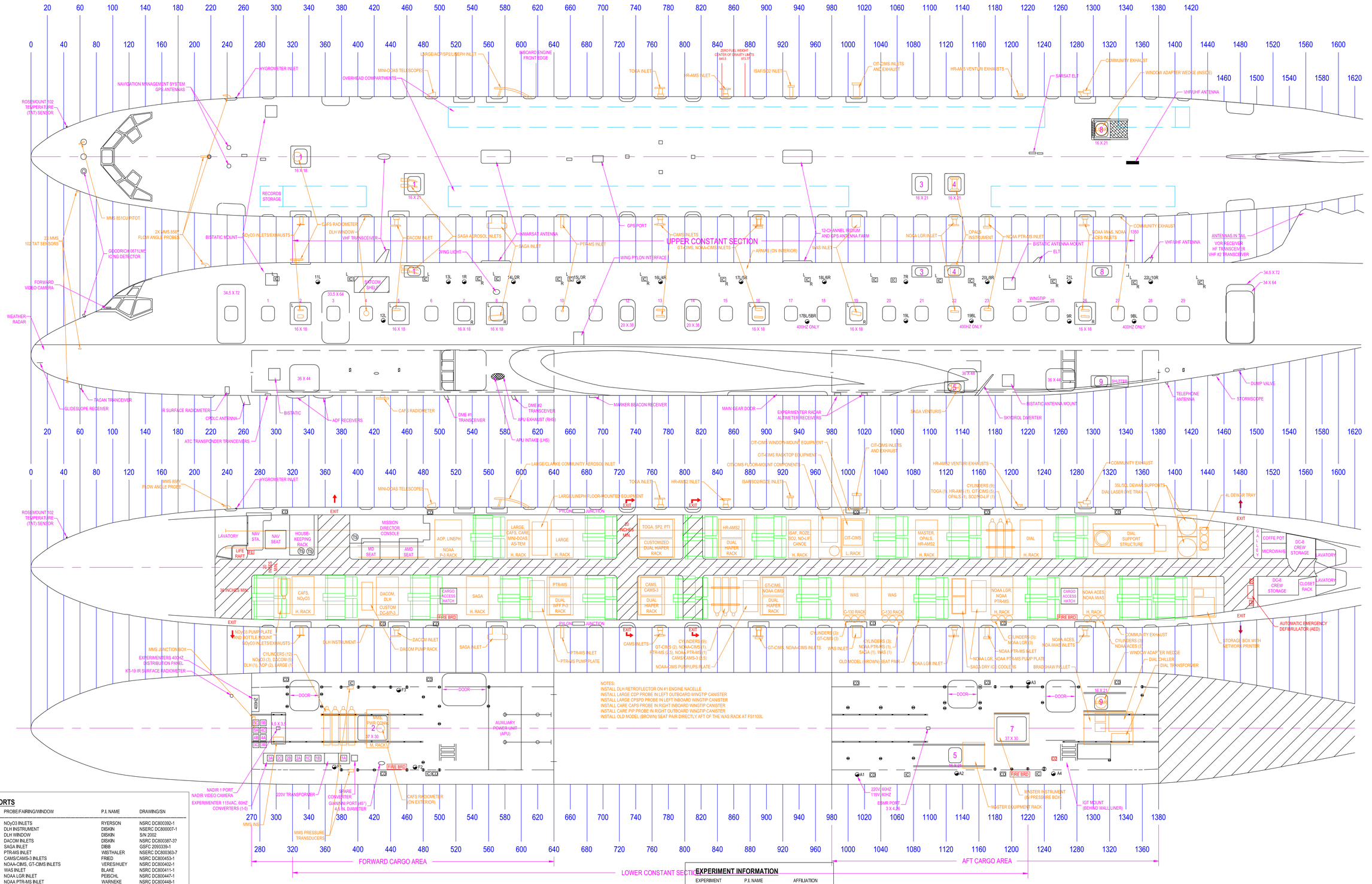
REVISION HISTORY					
REV	ZONE	DESCRIPTION	DATE	DRAWN	APPROVAL
-		INITIAL BASELINE RELEASE	XX/XX/XX	A. WEBSTER	P. MARTINEZ



NOTES:
INSTALL DLH RETROFLECTOR ON #1 ENGINE NACELLE
INSTALL LARGE CDP PROBE IN LEFT OUTBOARD WINGTIP CANISTER
INSTALL LARGE CPSPD PROBE IN LEFT INBOARD WINGTIP CANISTER
INSTALL CARE CAPS PROBE IN RIGHT INBOARD WINGTIP CANISTER
INSTALL CARE PIP PROBE IN RIGHT OUTBOARD WINGTIP CANISTER
INSTALL OLD MODEL (BROWN) SEAT PAIR DIRECTLY AFT OF THE WAS RACK AT FS1100L

PASSENGER PORTS

PORT	PROBE/FAIRING/WINDOW	P.I. NAME	DRAWING/SN
FS330L	NOyO3 INLETS	RYERSON	NSRC DC800392-1
FS410L	DLH INSTRUMENT	DISKIN	NSERC DC800007-1
FS410L	DLH WINDOW	DISKIN	S/N 2002
FS450L	DACOM INLETS	DISKIN	NSRC DC800387-37
FS570L	SAGA INLET	DIBB	GSFC 2093339-1
FS650L	PTR-MS INLET	WISTHALER	NSERC DC800363-7
FS770L	CAMS/CAMS-3 INLETS	FRIED	NSRC DC800453-1
FS890L	NOAA-CIMS, GT-CIMS INLETS	VERES/HUEY	NSRC DC800402-1
FS1010L	WAS INLET	BLAKE	NSRC DC800411-1
FS1130L	NOAA LGR INLET	PEISCHL	NSRC DC800447-1
FS1170L	NOAA PTR-MS INLET	WARNEKE	NSRC DC800448-1
FS1290L	NOAA ACES, NOAA IWAS INLETS	WOMACK/GILMAN	NSRC DC800446-1
FS1330L	COMMUNITY EXHAUST	VARIOUS	NSRC DC800451-1
FS245R	MMS 858Y PROBE	BUI	NSERC DC800386-1
FS490R	MINI-DOAS TELESCOPES	STUTZ	NSRC DC800452-1
FS570R	LARGE "CLARKE" COMMUNITY AEROSOL INLET	VARIOUS	DFRC 817-10557
FS610R	LARGE "CLARKE" COMMUNITY AEROSOL INLET	VARIOUS	DFRC 817-10557
FS770R	TOGA INLET	APEL	NSRC DC800389-3
FS850R	HR-AMS2 INLET	JIMENEZ	NSERC DC800171-503
FS930R	CANOE/ISAF/NO-LIF/ROZE/SO2 INLET	HANISCO/ROLLINS	NSRC DC800374-3
FS1010R	CIT-CIMS INLETS AND EXHAUST	WENNBERG	GSFC 2093343-1
FS1210R	HR-AMS EXHAUST	JIMENEZ	NSERC DC800364-1
FS1290R	COMMUNITY EXHAUST	VARIOUS	NSERC DC800029-1

OTHER PORTS/PODS

PORT	PROBE/FAIRING/WINDOW	P.I. NAME	DRAWING/SN
ZENITH #1	CAFS RADIOMETER	HALL	NSERC DC800366-1?
62" #1	SAGA AEROSOL INLETS	DIBB	ARC 5237470-1
62" #4	OPALS INSTRUMENT	ZONDLO	NSRC TBD
62" #8	OPTICAL WINDOW WEDGE ADAPTER	HAIR	DAC SMO8530059-7001
62" #8	DIAL WINDOW	HAIR	S/N 8705
62" #8	62" #8 SHUTTER	HAIR	DAC ?
NADIR #2	CAFS RADIOMETER, FLIR CAMERA	HALL	NSERC DC800017-5037
NADIR #5	SAGA VENTURI EXHAUSTS	DIBB	ARC 5238112-1
NADIR #7	MASTER INSTRUMENT/PRESSURE BOX	MYERS	NSERC DC800072-1?
NADIR #9	OPTICAL WINDOW WEDGE ADAPTER	HAIR	DAC SMO8530084-7001
NADIR #9	DIAL WINDOW	HAIR	S/N 8708
NADIR #9	NADIR #9 SHUTTER	HAIR	DAC SMO8530088-7001
FS49L	MMS 102 TAT PROBE	BUI	ARC 5238006-503
FS49 NADIR	MMS 102 TAT PROBE	BUI	ARC 5238006-503
FS64R	MMS 851CU PITOT PROBE	BUI	ARC 5238006-511
FS660 ZENITH	MMS GPS ANTENNA	BUI	ARC 5238006
SEXTANT	MMS 858Y PROBE	BUI	ARC 5238006-507
LEFT OB LOCATION	CDP PROBE	MOORE	N/A
LEFT IB LOCATION	CPSPD PROBE	MOORE	N/A
RIGHT IB LOCATION	CAPS PROBE	WEINZIERL	N/A
RIGHT OB LOCATION	PIP PROBE	WEINZIERL	N/A

OTHER NON-STANDARD INSTALLATIONS

LOCATION	DESCRIPTION	P.I. NAME	DRAWING/SN
FS305L	NOyO3 PUMP PLATE	RYERSON	NSRC DC800410-1
FS410L	DACOM PUMP RACK	DISKIN	NSRC DC800443-1
FS620L	PTR-MS PUMP PLATE	VERES	NSERC DC800179-503?
FS850L	COMPRESSED GAS CYLINDER STACK	VARIOUS	NSERC DC800360-1
FS880L	NOAA-CIMS PUMP/UPS PLATE	VERES	NSERC DC800179-9
FS1135L	DRY ICE STORAGE	DIBB	NSERC DC800237-1
FS1160L	NOAA LGR/NOAA PTR-MS PUMP PLATE	PEISCHL/WARNEKE	NSRC TBD
FS1435L	BLUE STORAGE BOX/PRINTER	DC-8	DFRC 817-10662-1
			ARC 4237284-1
FS620R	LARGE/LINEPH NEPHELOMETER PLATE	MOORE/AHERN	NSERC DC800236-?
FS975R	CIT-CIMS FLOOR EQUIPMENT INSTALLATION	WENNBERG	CIT D-CIM-5092
FS1010R	CIT-CIMS WINDOW PLATE INSTALLATION	WENNBERG	CIT D-CIM-5096
FS1185R	COMPRESSED GAS CYLINDER STACK	VARIOUS	NSERC DC800360-1
FS1340R	DIAL SUPPORT STRUCTURE	HAIR	GSFC 2087138-1
FS1380R	DIAL LASER DYE SUPPORT STRUCTURE	HAIR	GSFC 2087139-1
FS1415R	DUAL 35L/SOL DEWAR SUPPORT	APEL/WENNBERG	ARC 5237677-1
FS1435R	4L DEWAR SUPPORT	APEL/WENNBERG	NSERC DC800218-1
FS870	ARMAS (ON IRIDIUM SHELF IN CEILING)	DC-8	NSERC DC800250-1
FS52 NOSE	MMS NOSE TRANSDUCER	BUI	DFRC 817-10330
FS270FCP	MMS JUNCTION BOX	BUI	GSFC 2093318
FS300FCP	MMS INS	BUI	DFRC 817-10324-1
FS380FCP	COMPRESSED GAS CYLINDER RACK	VARIOUS	ARC 5238304-1
FS390LFCP	MMS LEFT SIDE TRANSDUCER	BUI	DFRC 817-10326
FS390RFCP	MMS RIGHT SIDE TRANSDUCER	BUI	DFRC 817-10341
FS1320ACP	BRADSHAW PALLET	DC-8	ARC 5237561-1

RACK INFORMATION

LOCATION	TYPE	EXPERIMENT	P.I. NAME	DRAWING/SN
FS330L	HIGH	CAFS/NOyO3	HALL/RYERSON	ARC 5237436-1
FS440L	CUSTOM DC-8/P-3	DACOM/DLH	DISKIN/DISKIN	ARC 5237358-1
FS550L	HIGH	SAGA	DIBB	ARC 5237436-1
FS650L	DUAL WFF P-3	PTR-MS	WISTHALER	NSERC DC800185-1
FS760L	DUAL HIAPER	CAMS/CAMS 3	FRIED/FRIED	NSERC DC800002-1
FS910L	DUAL HIAPER	GT-CIMS/NOAA-CIMS	HUEY/VERES	NSERC DC800002-1
FS1010L	C-130	WAS	BLAKE	ARC 5236944-1
FS1055L	C-130	WAS	BLAKE	ARC 5236944-1
FS1190L	HIGH	NOAA LGR/NOAA PTR-MS	PEISCHL/WARNEKE	ARC 5237436-1
FS1300L	HIGH	NOAA ACES/NOAA IWAS	WOMACK/GILMAN	ARC 5237436-1
FS510R	NOAA P-3	AOP/LINEPH	WAGNER/AHERN	NSERC DC800178-1
FS590R	HIGH	AS-TEM/CAFS/CARE/ LARGE/MINI-DOAS	ADACHI/HALL/WEINZIERL/ MOORE/STUTZ	ARC 5237436-1
FS650R	HIGH	LARGE	MOORE	ARC 5237436-1
FS765R	CUST, DUAL HIAPER	PTI/SP2/TOGA	SEDLACEK/SCHWARZ/APEL	NSRC DC800449-2
FS850R	DUAL HIAPER	HR-AMS2	JIMENEZ	NSERC DC800002-2
FS940R	HIGH	CANOE/ISAF/NO-LIF/ROZE/SO2	HANISCO/HANISCO/ROLLINS/ HANISCO/ROLLINS	ARC 5237436-1
FS1005R	LOW	CIT-CIMS	WENNBERG	ARC 5236707-3
FS1095R	HIGH	HR-AMS2/MASTER/OPALS	JIMENEZ/MYERS/ZONDLO	ARC 5237436-1
FS1225R	HIGH	DIAL	HAIR	ARC 5237436-1
FS420FCP	MEDIUM	MMS/POWER CONV.	BUI/DC-8	NSERC DC800073-3
FS1155ACP	NADIR #5	MASTER	MYERS	NSERC DC800121-1

EXPERIMENT INFORMATION

EXPERIMENT	P.I. NAME	AFFILIATION
AOP	WAGNER	NOAA CSD
ARMAS	TOBISKA	SET, LLC
AS-TEM	ADACHI	MRI
CAFS	HALL	NCAR
CAMS	RICHTER	UC-BOULDER
CAMS-3	RICHTER	UC-BOULDER
CANOE	HANISCO	NASA GSFC
CARE	WEINZIERL	UNIV. OF VIENNA
CIT-CIMS	WENNBERG	CIT
DACOM	DISKIN	NASA LaRC
DIAL	HAIR	NASA LaRC
DLH	DISKIN	NASA LaRC
GT-CIMS	HUEY	GIT
HR-AMS2	JIMENEZ	CU-BOULDER
ISAF	HANISCO	NASA GSFC
LARGE	MOORE	NASA LaRC
LINEPH	AHERN	NOAA CSD
MASTER	MYERS	NASA ARC
MINI-DOAS	STUTZ	UCLA
MISSION SCIENCE	CRAWFORD	NASA LaRC
MMS	BUI	NASA ARC
NOAA ACES	WOMACK	NOAA CSD
NOAA CIMS	VERES	NOAA CSD
NOAA IWAS	GILMAN	NOAA CSD
NOAA LGR	PEISCHL	NOAA CSD
NOAA PTR-MS	WARNEKE	NOAA CSD
NO-LIF	ROLLINS	NOAA CSD
NOyO3	RYERSON	NOAA CSD
OPALS	ZONDLO	PRINCETON
PTI	SEDLACEK	BNL
PTR-MS	WISTHALER	UNIV. OF OSLO
ROZE	HANISCO	NASA GSFC
SAGA	DIBB	UNH
SO2	ROLLINS	NOAA CSD
SP2	SCHWARZ	NOAA CSD
TOGA	APEL	NCAR
WAS	BLAKE	UC-IRVINE

RACKS

TYPE	QTY
LOW	1
MEDIUM	1
HIGH	9
C-130	2
DUAL HIAPER	3
CUSTOM DUAL HIAPER	1
CUSTOM DC-8/P-3	1
DUAL WFF P-3	1
NOAA P-3	1
NADIR #5	1
STORAGE BOX	1
TOTAL	22

SEATS

TYPE	LEFT	RIGHT	TOTAL
STANDARD	22	14	36
MISSION DIRECTOR			2
NAVIGATOR			1
FLIGHT CREW			4
TOTAL	22	14	43

LEGEND

POWER OUTLET
INTERCOM BOX (IC)
CABLE DUCT (X)
SMALL CABLE DUCT (X)
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

ARMSTRONG FLIGHT RESEARCH CENTER (AFRC)

	NAME	INIT	DATE
DESIGNER	A. WEBSTER	ALW	XX/XX/19
DRAWN	A. WEBSTER	ALW	XX/XX/19
CHECKED	K. EDMOND	RWII	XX/XX/19
APPROVED: ENGINEER	A. WEBSTER	ALW	XX/XX/19
APPROVED: MANAGER	C. IRVING	CEI	XX/XX/19
APPROVED: STRESS	N/A	N/A	N/A
APPROVED: OPS. ENG.	P. MARTINEZ	PAM	XX/XX/19

NSRC NATIONAL SUBORBITAL RESEARCH CENTER

DRAWING INTERPRETED PER GSFC-X673-64-1

TITLE
-- PRELIMINARY --
FIREX-AQ/SARP 2019 INSTRUMENT LOADING FLOORPLAN
JUNE-OCTOBER 2019,

SIZE	DWG NO	REV
E	DC-8/N817NA DC800XXX	-

CODE | SCALE | WT | SHT 1 OF 1