Leonardo S.p.A.
Via Giovanni Agusta, 520
21017 Cascina Costa di Samarate (VA) Italy
Tel.: +39 0331 229111 - Fax: +39 0331 229605/222595

AgustaWestland Products

SERVICE BULLETIN

N° 139-632

OPTIONAL

DATE: September 5, 2024

REV. : /

TITLE

ATA 99 - INSTALLATION OF KIT SIAP P/N 4G9900F00411

REVISION LOG

First Issue

1. PLANNING INFORMATION

A. EFFECTIVITY

AW139 helicopter S/N 31887.

B. COMPLIANCE

At Customer's option.

C. CONCURRENT REQUIREMENTS

N.A.

D. REASON

This Service Bulletin is issued in order to provide the necessary instruction to install the kit SIAP P/N 4G9900F00411.

LHD issued this SB for the following reason:

Helicopter Reliability/Maintainability	
Product Improvement	
Obsolescence	
Customization	✓
Product/Capability Enhancement	

E. DESCRIPTION

Kit SIAP is a fully Integrated self-protection system designed to detect and identify weapon systems whose activities constitutes a menace to the helicopter.

The SIAP provides EW situational awareness and effective alarm indications in case active threats are detected and is able to deploy specific countermeasures against EW threats, either automatically or under pilot's control (manual dispensing).

The SIAP allows also recording the available information about the weapon system activities detected during the mission (event recording) and the path that has been flown by the helicopter. The data are stored permanently in organized data structure for post mission analysis.

Moreover, a Radar Warning system is installed, composed of five antennas capable of detecting emissions from radar emitters. The system furnishes 360 degrees coverage and provides the EWP/CDU with frequency characteristics and DOA of the threats.

This Service Bulletin is issued to allow the full installation of the kit SIAP, including a structural and electrical provision for the MILDS system fifth sensor.

F. APPROVAL

If an aircraft listed in the effectivity embodies a modification or repair not LHD certified and affecting the content of this Service Bulletin, it is responsibility of the Owner/Operator to obtain a formal approval by Aviation Authority having jurisdiction on the aircraft, for any adaptation necessary before incorporation of the present Service Bulletin.

G. MANPOWER

To comply with this Service Bulletin five hundred (500) MMH are deemed necessary. MMH are based on hands-on time and can change with helicopter configuration, personnel and facilities available. MMH are not comprehensive of the overall hours necessary to get access to work areas and to remove all the equipment that interferes with the application of the prescribed instructions.

H. WEIGHT AND BALANCE

SIAP POWER ELECTRICAL PROVISION P/N 3G2460A04911

WEIGHT (kg)	2.7	
	ARM (mm)	**MOMENT (kgmm)**
LONGITUDINAL BALANCE	5769	15576.3
LATERAL BALANCE	-489	-1320.3

SIAP POWER STRUCTURAL PROVISION P/N 3G5311A03513

WEIGHT (kg)	2.8	
	ARM (mm)	**MOMENT (kgmm)**
LONGITUDINAL BALANCE	3833	10732.4
LATERAL BALANCE	-56	-156.8

CYCLIC INSTALLATION VARIANT P/N 3G6706P01811

WEIGHT (kg)	-0.2	
	ARM (mm)	**MOMENT (kgmm)**
LONGITUDINAL BALANCE	2420	-484
LATERAL BALANCE	-	-

MILDS (SIAP) COMPLETE PROVISION P/N 3G9350A09011

WEIGHT (kg)		7.8
	ARM (mm)	**MOMENT (kgmm)**
LONGITUDINAL BALANCE	5198	40544.4
LATERAL BALANCE	-183	-1427.4

ECDS (SIAP) COMPLETE PROVISION P/N 3G9930A00911

WEIGHT (kg)		9.9
	ARM (mm)	**MOMENT (kgmm)**
LONGITUDINAL BALANCE	8686	85991.4
LATERAL BALANCE	-220	-2178

EWP (SIAP) COMPLETE PROVISION P/N 3G9960A01111

WEIGHT (kg)		7.1
	ARM (mm)	**MOMENT (kgmm)**
LONGITUDINAL BALANCE	2633	18694.3
LATERAL BALANCE	-100	-710

SIAP FIXED PARTS P/N 3G9960A01311

WEIGHT (kg)		10
	ARM (mm)	**MOMENT (kgmm)**
LONGITUDINAL BALANCE	5259	52590
LATERAL BALANCE	-142	-1420

SIAP REMOVABLE PARTS P/N 3G9900A00611

WEIGHT (kg)		21.9
	ARM (mm)	**MOMENT (kgmm)**
LONGITUDINAL BALANCE	9317	204042.3
LATERAL BALANCE	-19	-416.1

I. REFERENCES

I.1 PUBLICATIONS

Following Data Modules refer to AMP:

DATA MODULE		DESCRIPTION	PART
DM01	39-A-00-20-00-00A-120A-A	Helicopter on ground for a safe maintenance	-
DM02	39-A-06-41-00-00A-010A-A	Access doors and panels - General data	-
DM03	39-A-11-00-01-00A-720A-A	Decal – Install procedure	-
DM04	39-A-20-00-00-00A-69CA-A	Assembled parts - Slippage Marks	-
DM05	39-A-20-10-01-00A-259A-A	Ground connections - Other procedures to protect surfaces	-
DM06	39-A-67-12-01-00A-520A-A	Pilot cyclic stick - Remove procedure	-
DM07	39-A-67-12-01-00A-720A-A	Pilot cyclic stick - Install procedure	-
DM08	39-A-67-12-02-00A-520A-A	Copilot cyclic stick - Remove procedure	-
DM09	39-A-67-12-02-00A-720A-A	Copilot cyclic stick - Install procedure	-
Following Data Modules refer to CSRP:			
DM10	CSRP-A-51-42-00-00A-720A-D	Potted inserts - Install procedure	-

MAG SERVICE BULLETIN SB-AB1-052

I.2 ACRONYMS & ABBREVIATIONS

AMDI	Aircraft Material Data Information
AMP	Aircraft Maintenance Publication
AR	As Required
CDU	Control & Display Unit
CSRP	Common Structural Repair Publication
DM	Data Module
DOA	Direction Of Arrival
ECDS	Enhanced Countermeasure Dispensing System
EIU	Expanded Interface Unit
EW	Electronic Warfare
EWCP	Electronic Warfare Control Panel
EWP	Electronic Warfare Processor

ITEP	Illustrated Tool and Equipment Publication
LHD	Leonardo Helicopters Division
MAG	Mecaer Aviation Group
MILDS	Missile Launch Detection System
MLG	Main Landing Gear
MMH	Maintenance Man Hours
RFM	Rotorcraft Flight Manual
SDU	Sequencer & Dispenser Unit
SIAP	Sistema Integrato di AutoProtezione
SPU	Signal Processing Unit
SSU	Safety Switch Unit
TWD	Thread Warning Display

I.3 ANNEX

Annex A SIAP functional test

J. PUBLICATIONS AFFECTED

N.A.

K. SOFTWARE ACCOMPLISHMENT SUMMARY

N.A.

2. MATERIAL INFORMATION

A. REQUIRED MATERIALS

A.1 PARTS

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
1	**4G9900F00411**		**KIT SIAP**	**REF**	**.**		
2	**3G9960A01211**		**SIAP COMPLETE PROVISION**	**REF**	**..**		
3	**3G2460A04911**		**SIAP POWER ELECTRICAL PROVISION**	**REF**	**...**		
4	3G2490L05551		Integrally Light Panel SIAP	1	....		
5	**3G5311A03513**		**SIAP POWER STRUCTURAL PROVISION**	**REF**	**....**		
6	3G5316A73231		Plate Assy	1	.....		
7	A824A01A-A1		Socket Relay Support	1	.....		
8	MS27039-1-07		Screw	4	.....		
9	NAS1149D0332K		Washer	4	.....		
10	NAS1835-3M		Insert	4	.....		
11	3G5317A56931		Plate Assy	1	....		
12	3G9B01L13801	3G2460A04911A1R	SIAP Power C/A (B1L138)	1	....		
13	3G9B01R02801		SIAP Power C/A (B1R028)	1	....		
14	3G9B01R02701		SIAP Power C/A (B1R027)	1	....		
15	3G9C01B35601		SIAP Power C/A (C1B356)	1	....		
16	999-5001-10-219		Plug Button	2	....		
17	999-8001-73-312		Bus Bar	1	....		
18	999-8001-73-412		Bus Bar	1	....		
19	A363A01		Stud	1	....		
20	A601A2B120		Bonding Cable Assy	1	....		
21	A631A01A		Spacer	2	....		
22	A648A01		Relay	1	....		
23	AW001CB07H		Clamp	1	....		
24	AW001CL001-N6		Support	1	....		
25	AW001YC01RED		Locking Ring	6	....		
26	ED300CB657		Decal	1	....		
27	ED300CB658		Decal	1	....		
28	ED300CB659		Decal	1	....		
29	ED300CB660		Decal	1	....		
30	ED300CB661		Decal	1	....		
31	ED300CB662		Decal	1	....		
32	ED300CB663		Decal	1	....		
33	ED300CB664		Decal	1	....		
34	ED300K438		Decal	1	....		
35	MS21043-08		Nut	1	....		
36	MS21043-3		Nut	2	....		
37	MS24693-S52		Screw	1	....		
38	MS3320-1		Circuit Breaker	2	....		
39	MS3320-15		Circuit Breaker	3	....		
40	MS3320-2		Circuit Breaker	1	....		
41	MS3320-3		Circuit Breaker	1	....		
42	MS3320-5		Circuit Breaker	1	....		
43	MS35207-262		Screw	2	....		
44	MS35338-42		Washer	2	....		
45	MS35649-282		Nut	1	....		

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
46	NAS1149D0332J		Washer	8	….		
47	NAS1149DN832H		Washer	3	….		
48	NAS1802-3-25		Screw	1	….		
49	NAS1802-3-6		Screw	4	….		
50	MS21069L06		Nut plate	4	….		
51	MS20426AD3		Rivet	AR	…..		
52	MS90335-6		Connector	1	….		
53	**3G6706P01811**		**CYCLIC INSTALLATION VARIANT**	**REF**	**…**		
54	3G6712A00740		Pilot Cyclic Stick Assy (NVG)	1	….		
55	3G6712A00840		Copilot Cyclic Stick Assy (NVG)	1	….		
56	MS17825-4		Nut	2	….		
57	MS24665-136		Cotter Pin	2	….		
58	**3G9350A09011**		**MILDS (SIAP) COMPLETE PROVISION**	**REF**	**…**		
59	**3G5311A45411**		**MILDS FIFTH SENSOR STRUCTURAL PROVISION**	**REF**	**….**		
60	3G5315A09235		Support DAU Assy	2	…..		
61	3G5318A15851		Connector Plate	1	…..		
62	3G5318A15951		Connector Support	1	…..		
63	A522A03A		Rail	1	…..		
64	MS20426AD3-3		Rivet	4	…..		
65	MS20470AD3-4		Rivet	6	…..		
66	MS21069L08		Nut plate	2	…..		
67	MS27039-08-06	MS27039-0806	Screw	6	…..		
68	NAS1149DN816J		Washer	2	…..		
69	NAS1149DN816K		Washer	6	…..		
70	NAS1802-08-6		Screw	2	…..		
71	NAS1832-08-3M		Insert	2	…..		
72	**3G9350A08811**		**MILDS (SIAP) ELECTRICAL PROVISION**	**REF**	**….**		
73	3G9A01A69801	3G9350A08811A1R	MILDS (SIAP) C/A (A1A698)	1	…..		
74	3G9A02A63301		MILDS (SIAP) C/A (A2A633)	1	…..		
75	3G9A01B64201	3G9350A08811A2R	MILDS (SIAP) C/A (A1B642)	1	…..		
76	3G9A02B60701		MILDS (SIAP) C/A (A2B607)	1	…..		
77	3G9B01L14201	3G9350A08811A3R	MILDS (SIAP) C/A (B1L142)	1	…..		
78	3G9B02L14401		MILDS (SIAP) C/A (B2L144)	1	…..		
79	3G9B01R03301	3G9350A08811A4R	MILDS (SIAP) C/A (B1R33)	1	…..		
80	3G9B02B76201		MILDS (SIAP) C/A (B2B762)	1	…..		
81	3G9C01B35801	3G9350A08811A7R	MILDS (SIAP) C/A (C1B358)	1	…..		
82	3G9C02B40801		MILDS (SIAP) C/A (C2B408)	1	…..		
83	3G9D01B22701	3G9350A08811A8R	MILDS (SIAP) C/A (D1B227)	1	…..		
84	3G9D02B22801		MILDS (SIAP) C/A (D2B228)	1	…..		
85	A363A01		Ground Stud	5	…..		
86	A366A3E08C		Stud	1	…..		
87	A366A3E08C75		Stud	1	…..		
88	A366A3E16C		Stud	1	…..		
89	A366A3E22C		Stud	3	…..		
90	A366A3E32C		Stud	1	…..		
91	A593A-A08		Terminal Board	1	…..		
92	A631A01A		Spacer	2	…..		
93	A631A01B		Spacer	1	…..		
94	AW001CB03H		Clamp	8	…..		
95	AW001CB04H		Clamp	1	…..		
96	AW001CB05H		Clamp	3	…..		

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
97	AW001CB08H		Clamp	8	.....		
98	AW001CB09H		Clamp	2	.....		
99	AW001TL3A06		Anchor Nut	2	.....		
100	ED300GS376		Decal	1	.....		
101	ED300J2454		Decal	1	.....		
102	ED300TB3066-3		Decal	1	.....		
103	M85049/95-14A-A		Flange	1	.....		
104	MS21043-3		Nut	6	.....		
105	MS9592-010		Bracket	1	.....		
106	NAS1149D0332J		Washer	10	.....		
107	NAS1149DN416J		Washer	4	.....		
108	NAS1190E3P15AK		Screw	1	.....		
109	NAS1190E3P8AK		Screw	1	.....		
110	NAS1802-04-7		Screw	4	.....		
111	NAS1802-3-10		Screw	3	.....		
112	NAS1802-3-17		Screw	1	.....		
113	NAS1802-3-30		Screw	1	.....		
114	NAS1802-3-9		Screw	2	.....		
115	NAS43DD3-22N		Spacer	1	.....		
116	NAS43DD3-44N		Spacer	2	.....		
117	NAS43DD3-45N		Spacer	3	.....		
118	M81824/1-1		Splice	3	.....		
119	A583A2418C		Cap	3	.....		
120	**3G9930A00911**		**ECDS (SIAP) COMPLETE PROVISION**	**REF**	**...**		
121	**3G9930A00711**		**ECDS (SIAP) ELECTRICAL PROVISION**	**REF**	**....**		
122	3G9A01A69901	3G9930A00711A1R	ECDS (SIAP) C/A (A1A699)	1	.....		
123	3G9A02A63401		ECDS (SIAP) C/A (A2A634)	1	.....		
124	3G9B01L14401	3G9930A00711A2R	ECDS (SIAP) C/A (B1L144)	1	.....		
125	3G9B02L14601		ECDS (SIAP) C/A (B2L146)	1	.....		
126	3G9B02B76301		ECDS (SIAP) C/A (B2B763)	1	.....		
127	3G9C01A38201		ECDS (SIAP) C/A (C1A382)	1	.....		
128	3G9C01B35901		ECDS (SIAP) C/A (C1B359)	1	.....		
129	3G9C01B36101	3G9930A00711A5R	ECDS POWER C/A (C1B361)	1	.....		
130	3G9C02B41101		ECDS (SIAP) C/A (C2B411)	1	.....		
131	3G9D01A20901		ECDS (SIAP) C/A (D1A209)	1	.....		
132	3G9D01B22801	3G9930A00711A4R	ECDS (SIAP) C/A (D1B228)	1	.....		
133	3G9D02B23001		ECDS (SIAP) C/A (D2B230)	1	.....		
134	A363A01		Stud	1	.....		
135	A388A3E14C75		Stud	4	.....		
136	A593A-A02		Terminal Board	1	.....		
137	A593A-C01		Terminal Board	1	.....		
138	A631A01A		Spacers	2	.....		
139	A631A01B		Spacers	1	.....		
140	A648A01		Relay	1	.....		
141	AW001CB05H		Clamp	4	.....		
142	AW001CB07H		Clamp	3	.....		
143	AW001CB10H		Clamp	2	.....		
144	AW001CK03LC		Lacing Cord	AR	.....		
145	AW001CL001-N6		Support	2	.....		
146	D38999/33W17R		Cover	2	.....		
147	ED300GS381		Decal	1	.....		
148	ED300J3082		Decal	1	.....		
149	ED300J3084		Decal	1	.....		

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
150	ED300J417		Decal	1	…..		
151	ED300J418		Decal	1	…..		
152	ED300K440		Decal	1	…..		
153	ED300TB3066-1		Decal	1	…..		
154	ED300TB3066-2		Decal	1	…..		
155	M85049/95-16A-A		Flange	1	…..		
156	M85049/95-18A-A		Flange	2	…..		
157	M85049/95-20A-A		Flange	1	…..		
158	NAS1149D0332J		Washer	4	…..		
159	NAS1149DN416J		Washer	24	…..		
160	NAS1190E3P7AK		Screw	5	…..		
161	NAS1802-04-6		Screw	8	…..		
162	NAS1802-04-7		Screw	8	…..		
163	**3G9960A01111**		**EWP (SIAP) COMPLETE PROVISION**	**REF**	**…**		
164	**3G5311A45211**		**EWP (SIAP) STRUCTURAL PROVISION**	**REF**	**….**		
165	3G5315P06831		USB Plate	1	…..		
166	3G5317A64131		Cover Plate Assy	1	…..		
167	3G5318A14231		Breakers Panel Support Assy	1	…..		
168	3G5318A15131		Upper Cover BL 600 RH Assy	1	…..		
169	3G5318A15231		Lower Cover BL 600 RH Assy	1	…..		
170	3G5318A15531		EWP Support Assy	2	…..		
171	3G5318A17351		Coupler Support	2	…..		
172	A297A04TW01		Rivet Blind	AR	…..		
173	A414A04V238A1		Support	1	…..		
174	MS20426AD3		Rivet	AR	…..		
175	MS21061-08	MS21061L08	Nut plate	2	…..		
176	MS21075-08	MS21075L08N	Nut plate	2	…..		
177	MS21071L08		Nut plate	4	…..		
178	MS21075L3	MS21075L3N	Anchor Nut	6	…..		
179	MS27039-1-06		Screw	2	…..		
180	MS27039-1-07		Screw	30	…..		
181	MS35207-229		Screw	4	…..		
182	NAS1149D0332J		Washer	26	…..		
183	NAS1149D0332K		Washer	6	…..		
184	NAS1835-3M		Insert	30	…..		
185	MS21069-06		Nut plate	2	…..		
186	MS21069-08		Nut plate	2	…..		
187	MS21069L06		Anchor nut	2	…..		
188	MS20426AD3		Rivet	AR	…..		
189	NAS1097AD3		Rivet	4	…..		
190	**3G9960A00911**		**EWP (SIAP) ELECTRICAL PROVISION**	**REF**	**….**		
191	3G4620L00951		DATA BUS 1553 LANE A (SIAP)	1	…..		
192	3G4620L01051		DATA BUS 1553 LANE A (SIAP)	1	…..		
193	3G4620L01451	3G9960A00911A4R	DATA BUS 1553 LANE B (SIAP)	1	…..		
194	3G4620L01551		DATA BUS 1553 LANE B (SIAP)	1	…..		
195	3G9C01B35701		EWP (SIAP) C/A (C1B357)	1	…..		
196	3G9C02B40701		EWP (SIAP) C/A (C2B407)	1	…..		
197	3G4620L01151	3G9960A00911A5R	DATA BUS 1553 LANE A (SIAP)	1	…..		
198	3G4620L01251		DATA BUS 1553 LANE A	1	…..		

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
			(SIAP)				
199	3G4620L01651		DATA BUS 1553 LANE B (SIAP)	1	.....		
200	3G4620L01751		DATA BUS 1553 LANE B (SIAP)	1	.....		
201	3G9A01A69701		EWP (SIAP) C/A (A1A697)	1	.....		
202	3G9A02A63201		EWP (SIAP) C/A (A2A632)	1	.....		
203	3G9C03B31701		EWP (SIAP) C/A (C3B317)	1	.....		
204	3G4620L01351		DATA BUS 1553 LANE A (SIAP)	1	.....		
205	3G4620L01851	3G9960A00911A3R	DATA BUS 1553 LANE B (SIAP)	1	.....		
206	3G9B01R03201		EWP (SIAP) C/A (B1R32)	1	.....		
207	3G9B02B76101		EWP (SIAP) C/A (B2B761)	1	.....		
208	3G9A01B64101	3G9960A00911A2R	EWP (SIAP) C/A (A1B641)	1	.....		
209	3G9A02B60601		EWP (SIAP) C/A (A2B606)	1	.....		
210	D667-407XB15T1W-59		Cover	1	.....		
211	A366A3E14C		Stud	1	.....		
212	A388A3E08C75		Standoff	1	.....		
213	A388A3E16C75		Standoff	1	.....		
214	A522A03A		Rail	1	.....		
215	A593A-A01		Terminal Board	1	.....		
216	A593A-H01		Terminal Board	1	.....		
217	A593A-H06		Terminal Board	1	.....		
218	AW001CB03H		Clamp	1	.....		
219	AW001CB05H		Clamp	1	.....		
220	AW001CB06H		Clamp	1	.....		
221	AW001CK03LC		Lacing Cord	AR	.....		
222	AW001CL006AT01-X1		Support	2	.....		
223	AW001CL007-CM		Support	2	.....		
224	AW001CL510C-N6		Support	2	.....		
225	AW001CL510D-N6		Support	1	.....		
226	D38999/33W13R		Cover	1	.....		
227	ED300J1024		Decal	1	.....		
228	ED300J1045		Decal	1	.....		
229	ED300J1049		Decal	1	.....		
230	ED300J1127		Decal	1	.....		
231	ED300J1175		Decal	1	.....		
232	ED300LANE;A		Decal	1	.....		
233	ED300LANE;B		Decal	1	.....		
234	ED300LANE;DATA;BUS		Decal	1	.....		
235	ED300SIAP		Decal	1	.....		
236	ED300TB181-1		Decal	1	.....		
237	ED300TB183		Decal	1	.....		
238	ED300TB3064		Decal	1	.....		
239	EN6049-006-25-5		Nomex	AR	.....		
240	M85049/95-14A-A		Flange	1	.....		
241	M85049/95-16A-A		Flange	2	.....		
242	MS21043-3		Nut	1	.....		
243	MS24693-C272		Screw	3	.....		
244	MS27039-1-08		Screw	3	.....		
245	MS35206-229		Screw	2	.....		
246	MS35206-244		Screw	2	.....		

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
247	NAS1149D0332J		Washer	7	.....		
248	NAS1149DN416J		Washer	8	.....		
249	NAS1149DN432J		Washer	4	.....		
250	NAS1149DN616J		Washer	2	.....		
251	NAS1149DN816J		Washer	2	.....		
252	NAS1190E3P5AK		Screw	1	.....		
253	NAS1190E3P6AK		Screw	1	.....		
254	NAS1802-04-10		Screw	4	.....		
255	NAS1802-04-7		Screw	8	.....		
256	NAS1802-06-6		Screw	2	.....		
257	NAS1802-3-7		Screw	1	.....		
258	NAS43DD3-25N		Spacer	1	.....		
259	R686-404-1/9-A10-0		Mounting Tray	1	.....		
260	A529A490-1502		Backshell	1	.....		
261	**3G9960A01311**		**SIAP FIXED PARTS**	**REF**	**..**		
262	**3G9930A00811**		**ECDS (SIAP) EQUIPMENT INSTALLATION**	**REF**	**...**		
263	**3G9960A01011**		**EWP (SIAP) EQUIPMENT INSTALLATION**	**REF**	**...**		
264	1159-504-03		Expanded Interface Unit	1	....		
265	1259.007-01		EIU ECDS Support	1	....		
266	881-0790-03-101		EWCP	1	....		
267	ADB/A-R42LP-BK3A-S		Box Coupler	4	....		
268	AMB/A-D-ACB1-PG3A-P		Connector	4	....		
269	AW001CL001-N6	A631A01A	Support	1	....		
270	EA9900V511-001		Electronic Warfare Processor	1	....		
271	EA9900V513-001		TWD Panel	1	....		
272	ED300A690		Decal	1	....		
273	ED300A692		Decal	1	....		
274	ED300CP82		Decal	1	....		
275	ED300CP83		Decal	1	....		
276	ED300CP84		Decal	1	....		
277	ED300CP85		Decal	1	....		
278	ED300DS195		Decal	1	....		
279	ED300PL138		Decal	1	....		
280	MS21042L04		Nut	8	....		
281	NAS1149D0332J		Washer	10	....		
282	NAS1149DN416J		Washer	16	....		
283	NAS1802-04-7		Screw	8	....		
284	NAS1802-3-8		Screw	10	....		
285	A601A3B16		Bonding Cable	1	....		
286	**3G9900A00611**		**SIAP REMOVABLE PARTS**	**REF**	**..**		
287	**3G1110A30131**		**CHAFFS-FLARES ELEVAT. ANGLE PAINT**	**REF**	**...**		
288	3G1110A30151		Stencil Red	2	....		
289	3G1110A30152		Stencil Yellow	2	....		
290	3G1110A30154		Decal Graduated	2	....		
291	**3G9350A08911**		**MILDS (SIAP) EQUIPMENT INSTALLATION**	**REF**	**...**		
292	1101-450-01		Dispenser Cover	2	....		
293	1101.409-01		Magazine 1"X 1" Chaff	REF	....		
294	1101.409-02		Magazine 1"X 1" Flare	REF	....		

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
295	1101.409-03		Magazine 1"X 2" Flare	REF	....		
296	1155.500-01		Safety Switch Unit	1	....		
297	1160-504-03		Sequence Dispenser Unit	2	....		
298	3G9D12A00711		ECDS (SIAP) C/A (D2A7)	1	....		
299	3G9D12B10711		ECDS (SIAP) C/A (D2B107)	1	....		
300	50.2860.924.00		MILDS unit	4	....		
301	A601A3B50		Bonding Cable Assy	2	....		
302	A601A4B120		Bonding And Earthing Cable Assy	2	....		
303	A601A4B60		Bonding Cable Assy	2	....		
304	AW001CB09H		Clamp	2	....		
305	ED300A412		Decal	1	....		
306	ED300A682		Decal	1	....		
307	ED300A683		Decal	1	....		
308	ED300A684		Decal	1	....		
309	ED300A685		Decal	1	....		
310	ED300A691		Decal	1	....		
311	ED300A694		Decal	1	....		
312	LN9025-0410K		Washer	2	....		
313	LN9025-0510K		Washer	3	....		
314	LN9025-0610K		Washer	16	....		
315	LN9038K05010		Screw	3	....		
316	LN9038K06016		Screw	12	....		
317	LN9136-04018		Screw	32	....		
318	LN9338-04		Nut	2	....		
319	LN9338-06		Nut	4	....		
320	MS17986C509	NAS1335A5C09D	Quick Release Pin	1	....		
321	MS20995C32		Lock Wire	AR	....		
322	MS35338-43		Washer	2	....		
323	NAS1149D0332K		Washer	2	....		
324	NAS1756-24		Streamer Warning	1	....		
325	NAS1802-3-7		Screw	2	....		
326	**3G9900A00412**		**SUPPORT CHAFFS-FLARES INSTALLATION**	**REF**	**...**		
327	3G5316A73751		Safety Switch Plate	1	....		
328	3G5317A86231		Chaff-Flares Support Assy LH	1	....		
329	3G5317A86331		Chaff-Flares Support Assy RH	1	....		
330	HL20PB-8-4		Pin-Rivet	2	....		
331	HL86-8		Collar	2	....		
332	NAS1802-3-12		Screw	16	....		
333	A556A-T20		Wire	5 m	.		
334	3G1130A01254		AW139 Cockpit Logo Small	1	.		
335	3G1110A35652		Decal	1	.		
336	A520A01WPN		Terminal Board	1	.		
337	M85049/95-25A-A		Flange	1	.		
338	MS35206-229		Screw	4	.		
339	NAS1149DN616J		Washer	4	.		
340	M23053/8-004-C		Insulation Sleeving	6	.		
341	M81824/1-1		Splice	2	.		
342	LN65022-0506		Screw	4	.		
343	LN9025-0510L		Washer	4	.		
344	ACB1/PG-4P-S38		Connector	1	.		
345	ACB1/PG-3AP-S38		Connector	1	.		

Refer also to IPD for the spares materials required to comply with the AMP DMs referenced in the accomplishment instructions.

Refer also to Annex A for the spares materials required to comply with this Service Bulletin.

A.2 CONSUMABLES

The following consumable materials, or equivalent, are necessary to accomplish this Service Bulletin:

#	Spec./LHD code number	DESCRIPTION	Q.TY	NOTE	PART
346	MMM-A-132 Type 1, Class 3 199-05-002 Type II, Class 2	Adhesive EA934NA (C057)	AR	(1)	-
347	MMM-A-132, Type 2, Class II 199-05-002, Type I, Class 2	Adhesive EA9309.3NA (C021)	AR	(1)	-
348	WHPS083,TYPE P CLASSE B Code No. 999999999000010432	Sealant PR2200 or PR2201	AR	(1)	-
349	AWTR033	Glass dry fabric cloth HexForce 20749 1200 (C931)	AR	(1)	-
350	Commercial / 199-50-002 Type I	Araldit resin LY5138-2	AR	(1)	-
351	Commercial / 199-50-002 Type II	Hardener HY5173	AR	(1)	-
352	199-05-003 Type I, Class 2, Shape IIB	Sealant (C248)	AR	(1)	-
353	AWMS05-001 Type 1, Class A, Grade 2	Sealant MC-780 A-2 (C465)	AR	(1)	-
354	AWMS05-001 Type 1, Class B, Grade 2	Sealant MC-780 B-2 (C465)	AR	(1)	-
355	TT50 260SS	Tape 5453 (C223)	AR	(1)	-
356	Code No. 999999999000001675	Adhesive CB200-40 (C356)	AR	(1) (2)	-
357	EN6049-006-25-5	Nomex	AR	(1)	-

Refer also to AMDI for the consumable materials required to comply with the AMP DM referenced in the accomplishment instructions.

A.3 LOGISTIC MATRIX

N.A.

NOTE

(1) Item to be procured as local supply.

(2) Item to be used with mixing tool P/N 61608946.

B. SPECIAL TOOLS

The following special tools, or equivalent, are necessary to accomplish this Service Bulletin:

#	P/N	DESCRIPTION	Q.TY	NOTE	PART
358	61608946	Mixing tool	1		-
359	AX-CD-02	Crimping Die	1		-

Refer to ITEP for the special tools required to comply with the AMP DMs referenced in the accomplishment instructions.

Refer also to Annex A for the special tools required to comply with this Service Bulletin.

C. INDUSTRY SUPPORT INFORMATION

N.A.

3. ACCOMPLISHMENT INSTRUCTIONS

GENERAL NOTES

a) Place an identification tag on all components that are re-usable, including the attaching hardware that has been removed to gain access to the modification area and adequately protect them until their later re-use.

b) Shape the cables in order to prevent interference with the structure and the other existing installations, using where necessary suitable lacing cords.

c) Use edging P/N A236A on metallic edges which can damage cable assemblies and where abrasion may occur.

d) Use braided tubing P/N A582A where cable assemblies chafing or contact with structure may occur.

e) Exercise extreme care during drilling operations to prevent instruments, cables and hoses damage.

f) After drilling, remove all swarf and sharp edges. Apply on bare metal a light film of primer unless the hole is used for ground connection.

g) During the installation of bonding braids or components requiring grounding, clean the surface structure in order to obtain a good ground contact.

h) Let adhesive cure at room temperature for at least 24 hours unless otherwise specified.

i) Exposed thread surface and nut must be protected using a layer of tectyl according to MIL-C-16173 grade I.

j) All lengths are in mm.

k) Refer to Figure 113 for control panels installation position on the interseat console. Control panel position shown in other figures is for reference only.

1. In accordance with AMP DM 39-A-00-20-00-00A-120A-A, prepare the helicopter on ground for a safe maintenance. Disconnect the battery, all electrical power sources and/or the external power supply.
2. In accordance with AMP DM 39-A-06-41-00-00A-010A-A and with reference to Figures 1 thru 4, gain access to the area affected by the installation and perform MILDS fifth sensor structural provision P/N 3G5311A45411 as described in the following procedure:
   2.1 With reference to Figure 3 Section F-F, install connector support P/N 3G5318A15951 by means of n°6 rivets P/N MS20470AD3.
   2.2 In accordance with CSRP DM CSRP-A-51-42-00-00A-720A-D and with reference to Figure 2 Section N-N, install n°2 inserts P/N°NAS1832-08-3 by means of adhesive EA934NA (C057) on the RH UPR panel assy P/N°3G5315A49131.
   2.3 With reference to Figure 2 Section M-M, install rail terminal module P/N°A522A03A by means of n°2 screws P/N°NAS1802-08-6 and n°2 washers P/N°NAS1149DN816J.
   2.4 With reference to Figure 4 Section G-G (Before rework), remove and discard RH plate P/N°3G5316A94251 and existing fasteners from RH support assy P/N°3G5316A93831.
   2.5 With reference to Figure 4 Section G-G (Rework dimension), perform indicated cut out on the RH support assy P/N 3G5316A93831.
   2.6 In accordance with AMP DM 39-A-20-10-01-00A-259A-A and with reference to Figure 4 Section G-G, prepare indicated contact surfaces to assure the correct electrical bonding.
   2.7 With reference to Figure 4 Section H-H, install n°2 nut plates P/N MS21069L08 by means of n°4 rivets P/N MS20426AD3 on the RH support assy P/N°3G5316A93831.

NOTE

Prepare contact surfaces of the connector plate P/N°3G5318A15851 as required to assure the correct electrical bonding.

   2.8 With reference to Figure 4 Section G-G (After rework), install connector plate P/N°3G5318A15851 by means of n°6 screws P/N° MS27039-0806 and n°6 washers P/N° NAS1149DN816K on the RH support assy P/N°3G5316A93831.
3. In accordance with AMP DM 39-A-06-41-00-00A-010A-A and with reference to Figures 5 thru 18, gain access to the area affected by the installation and perform EWP (SIAP) structural provision P/N 3G5311A45211 as described in the following procedure:

3.1 With reference to Figure 6 Section E-E, perform cut-out according to standard n°999-0010-21-214 on the skin P/N 3G5326A00952.

3.2 With reference to Figure 6 Section E-E, drill n°2 holes as required according to connector ACB1/BK-4S-S34 on the skin P/N 3G5326A00952.

3.3 In accordance with AMP DM 39-A-20-10-01-00A-259A-A and with reference to Figure 6 Section E-E, remove paint and prepare indicated areas to assure the correct electrical bonding.

3.4 With reference to Figure 6 View B, install USB plate P/N 3G5316P06831.

3.5 With reference to Figure 8 View C, perform cut-out according to standard n°999-0010-21-218 on the instrument plate P/N 3G3110A00256.

3.6 In accordance with AMP DM 39-A-20-10-01-00A-259A-A and with reference to Figure 8 View C, remove paint and prepare indicated areas to assure the correct electrical bonding.

3.7 With reference to Figure 10 Detail G, remove AW139 logo P/N 3G1130A01251 and related fixing hardware.

3.8 With reference to Figure 10 Detail G, remove and discard n°4 nut plates from instrument plate P/N 3G3110A00256.

3.9 With reference to Figure 10 View AC-AC, fill n°2 existing holes by means of adhesive EA934NA (C057).

3.10 With reference to Figure 10 View AC-AC, install n°4 nut plates P/N MS21071L08 by means of n°8 rivets P/N MS20426AD3.

3.11 With reference to Figure 10 Detail G, install AW139 cockpit logo P/N 3G1130A01254 by means of related fixing hardware.

3.12 In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 10 Detail G, install decal P/N 3G1110A35652.

3.13 With reference to Figure 10 View AC-AC, perform cut-out as indicated on the instrument plate P/N 3G3110A00256.

3.14 With reference to Figure 10 View AC-AC, drill n°4 holes Ø 4.27÷4.39 on the instrument plate P/N 3G3110A00256.

3.15 With reference to Figure 10 View AC-AC, install n°2 anchor nuts P/N MS21075-08 and n°2 anchor nuts P/N MS21061-08 by means of n°8 rivets P/N MS20426AD3-4.

NOTE

Perform the following step 3.16 only if TWD panel DS195 P/N EA9900V513-001 will not be immediately installed.

3.16 With reference to Figure 8 View C, install cover plate assy P/N 3G5317A64131 by means of n°4 screws P/N MS35207-229.

3.17 With reference to Figure 9 View D, drill n°2 holes Ø 4.267÷4.394 and n°2 holes Ø 3.683÷3.810 through the closing bulkhead P/N 3G3110A00953.

3.18 With reference to Figure 9 View D, install n°2 nut plates P/N MS21069-08 and n°2 nut plates P/N MS21069-06 by means of n°8 rivets P/N MS20426AD3.

3.19 In accordance with AMP DM 39-A-20-10-01-00A-259A-A and with reference to Figure 9 View D, prepare indicated areas to assure the correct electrical bonding.

3.20 With reference to Figure 9 View D and Figure 11 Detail F and Section H-H, temporarily locate support connector P/N A414A04V238A1 and countermark positions of n°2 anchor nut holes on the closing bulkhead P/N 3G3110A00953.

3.21 With reference to Figure 9 View D and Figure 11 Section H-H, drill n°2 holes Ø 6.35÷6.47 in the previously countermarked positions through the closing bulkhead P/N 3G3110A00953.

3.22 With reference to Figure 9 View D, install n°2 anchor nuts P/N MS21075L3 by means of n°4 rivets P/N MS20426AD3.

3.23 In accordance with AMP DM 39-A-20-10-01-00A-259A-A and with reference to Figure 11 Section H-H, prepare indicated areas to assure the correct electrical bonding.

3.24 With reference to Figure 11 Detail F, install connector support P/N A414A04V238A1 by means of n°2 screws P/N MS27039-1-06 and n°2 washers P/N NAS1149D0332J.

3.25 In accordance with AMP DM 39-A-20-10-01-00A-259A-A and with reference to Figure 7 Detail N, remove paint and prepare indicated areas to assure the correct electrical bonding.

3.26 With reference to Figure 7 Section L-L and Section M-M, temporarily locate coupler support P/N 3G5318A17351 and countermark positions of n°4 insert holes on the compartment passenger subfloor P/N 3P5331A00233.

3.27 In accordance with CSRP DM CSRP-A-51-42-00-00A-720A-D and with reference to Figure 7 Section M-M, install n°4 inserts P/N NAS1835-3M by means of adhesive EA934NA (C057) on the previously countermarked positions on the compartment passenger subfloor.

3.28 With reference to Figure 7 Section L-L, install coupler support P/N 3G5318A17351 by means of n°4 screws P/N MS27039-1-07 and n°4 washers P/N NAS1149D0332J.

3.29 With reference to Figure 12 Detail P, remove cover BL600 RH assy P/N 3G5315A48231 and angular lower assy RH P/N 3G5315A76231.

3.30 With reference to Figure 16 Section T-T and Figure 17 Section AB-AB, perform indicated cut outs on the forward floor assy P/N 3P5340A44131. Seal all around the edge by means of adhesive EA934NA (C057).

3.31 Prepare a compound mixing 100 parts by weight of araldit resin LY5138-2 and 23 parts by weight of hardener HY5173.

3.32 With reference to Figure 17 Schematic section AB-AB, apply on the cut out edges n°2 plies of fiberglass fabric 20749-1200 (C931) soaked with the previously prepared compound. Let adhesive cure.

3.33 With reference to Figure 17 Section AB-AB, drill n°2 holes Ø 5.74÷5.87 on the forward floor assy.

3.34 With reference to Figure 17 Section AB-AB, install n°2 anchor nuts P/N MS21075L3 by means of n°4 rivets P/N MS20426AD3.

3.35 In accordance with AMP DM 39-A-20-10-01-00A-259A-A and with reference to Figure 15 Section S1-S1, remove paint and prepare indicated areas to assure the correct electrical bonding.

3.36 With reference to Figure 14 Section S-S and Figure 15 Section S1-S1, temporarily locate n°2 EWP support assy P/N 3G5318A15531, coupler support P/N 3G5318A17351 and countermark positions of n°16 insert holes on the forward floor assy P/N 3P5340A44131.

3.37 With reference to Figure 14 Section S-S, temporarily locate BL600 RH lower cover assy P/N 3G5318A15231 and countermark positions of n°2 insert holes on the forward floor assy P/N 3P5340A44131 and n°2 anchor nut holes on the forward floor assy P/N 3P5340A44231.

3.38 With reference to Figure 14 Section S-S and Figure 17 Section AB-AB, perform the following procedure to install n°2 anchor nuts P/N MS21075L3 on the forward floor assy P/N 3P5340A44231:

3.38.1 Perform cut out as required. Seal all around the edge by means of adhesive EA934NA (C057).

3.38.2 Prepare a compound mixing 100 parts by weight of araldit resin LY5138-2 and 23 parts by weight of hardener HY5173.

3.38.3 Apply on the cut out edges n°2 plies of fiberglass fabric 20749-1200 (C931) soaked with the previously prepared compound. Let adhesive cure.

3.38.4 Drill n°2 holes Ø 5.74÷5.87 on the forward floor assy.

3.38.5 Install n°2 anchor nuts P/N MS21075L3 by means of n°4 rivets P/N MS20426AD3.

3.39 In accordance with CSRP DM CSRP-A-51-42-00-00A-720A-D and with reference to Figure 14 Section S-S, Figure 15 Section S1-S1 and Figure 17 Section AA-AA, install n°18 inserts P/N NAS1835-3M by means of adhesive EA934NA (C057) on the previously countermarked positions on the forward floor assemblies P/N 3P5340A44131 and P/N 3P5340A44231.

3.40 With reference to Figure 14 Section S-S, install n°2 EWP support assemblies P/N 3G5318A15531 and coupler support P/N 3G5318A17351 by means of n°16 screws P/N MS27039-1-07 and n°16 washers P/N NAS1149D0332J.

3.41 In accordance with AMP DM 39-A-20-10-01-00A-259A-A and with reference to Figure 13 Section R1-R1, remove paint and prepare indicated areas to assure the correct electrical bonding.

3.42 With reference to Figure 13 Section R-R and Section R1-R1, temporarily locate EIU ECDS Support P/N 1259.007-01 and breakers panel support P/N 3G5318A14231 and countermark positions of n°8 insert holes on the RH lower panel assy P/N 3G5315A49532.

3.43 In accordance with CSRP DM CSRP-A-51-42-00-00A-720A-D and with reference to Figure 13 Section U-U and Section V-V, install n°8 inserts P/N NAS1835-3M by means of adhesive EA934NA (C057) on the previously countermarked positions on the RH lower panel assy P/N 3G5315A49532.

3.44 With reference to Figure 13 Section R-R, install breakers panel support P/N 3G5318A14231 by means of n°4 screws P/N MS27039-1-07 and n°4 washers P/N NAS1149D0332K.

3.45 With reference to Figure 12 Detail P, install BL600 RH upper cover assy P/N 3G5318A15131 and BL600 RH lower cover assy P/N 3G5318A15231 by means of n°6 screws P/N MS27039-1-07 and n°6 washers P/N NAS1149D0332J.

3.46 In accordance with AMP DM 39-A-20-10-01-00A-259A-A and with reference to Figure 18 View AC-AC and Detail AD, remove paint and prepare indicated areas to assure the correct electrical bonding.

3.47 With reference to Figure 18 Section AE-AE, drill n°2 holes Ø 3.68÷3.81 through the right longeron P/N 3P5340A12053.

3.48 With reference to Figure 18 Section AE-AE, install n°2 anchor nut P/N MS21069L06 by means of n°4 rivets P/N°NAS1097AD3.

4. In accordance with AMP DM 39-A-06-41-00-00A-010A-A and with reference to Figures 19 thru 24, gain access to the area affected by the installation and perform SIAP power structural provision P/N 3G5311A03513 as described in the following procedure:

Perform the following step 4.1 only if EWCP PL138 P/N 881-0790-03-101 will not be immediately installed.

4.1 With reference to Figure 20 Section A-A, install plate assy P/N 3G5316A73231 on the interseat console.

4.2 In accordance with CSRP DM CSRP-A-51-42-00-00A-720A-D and with reference to Figure 24 Section E-E, install n°4 inserts P/N NAS1835-3M on the RH upper panel assy P/N 3G5315A49131 by means of adhesive EA934NA (C057).

4.3 In accordance with AMP DM 39-A-20-10-01-00A-259A-A and with reference to Figure 23 Section C1-C1, prepare indicated contact surfaces to assure the correct electrical bonding.

4.4 With reference to Figure 22 Section C-C, install socket relay support P/N°A824A01A-A1 on the RH upper panel assy P/N°3G5315A49131 by means of n°4 screws P/N°NAS1802 and n°4 washers P/N°NAS1149D0332K.

5. In accordance with AMP DM 39-A-06-41-00-00A-010A-A and with reference to Figure 25, gain access to the cockpit area and perform cyclic installation variant P/N 3G6706P01811 as described in the following procedure:

5.1 In accordance with AMP DM 39-A-67-12-01-00A-520A-A, remove pilot cyclic stick assy P/N 3G6712A00737.

5.2 In accordance with AMP DM 39-A-67-12-02-00A-520A-A, remove copilot cyclic stick assy P/N 3G6712A00837.

NOTE

Performing following steps 5.3 and 5.4, tighten the bolts to 5.65÷7.91 Nm.

5.3 In accordance with AMP DM 39-A-67-12-01-00A-720A-A, install pilot cyclic stick assy P/N 3G6712A00740.

5.4 In accordance with AMP DM 39-A-67-12-02-00A-720A-A, install copilot cyclic stick assy P/N 3G6712A00840.

6. In accordance with AMP DM 39-A-06-41-00-00A-010A-A and with reference to Figures 26 thru 36, gain access to the area affected by the installation and perform EWP (SIAP) electrical provision P/N 3G9960A00911 as described in the following procedure:

6.1 With reference to Figure 27, at position n°1, install support P/N AW001CL006AT01-X2 by means of adhesive EA9309.3NA (C021).

6.2 With reference to Figure 27, at position n°2, install standoff P/N A388A3E16C75 by means of adhesive EA9309.3NA (C021) and install clamp P/N AW001CB03H by means of washer P/N NAS1149D0332J and screw P/N NAS1190E3P6AK.

6.3 With reference to Figure 28, install TB179 terminal board P/N A520A01WPN and flange P/N M85049/95-25A-A, using n°4 screws P/N MS35206-229 and n°4 washers P/N NAS1149DN616J.

6.4 With reference to Figure 28, install rail P/N A522A03A on the back side of the instrument panel by means of n°2 screws P/N MS35206-244 and n°2 washers P/N NAS1149DN816J. Install TB181-1 terminal board P/N A593A-A01 on the rail.

6.5 In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 28, install decal P/N ED300TB181-1 in an area adjacent to previously installed terminal board.

6.6 With reference to Figure 28, install TB183 terminal board P/N A593A-H01 by means of n°2 screws P/N MS35206-229 and n°2 washers P/N NAS1149DN616J.

6.7 In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 28, install decal P/N ED300TB183 in an area adjacent to previously installed terminal board.

6.8 With reference to Figure 29, at position n°3, install spacer P/N A631A01B.

6.9 With reference to Figure 30, at position n°4, install support P/N AW001CL006AT01-X1 by means of adhesive EA9309.3NA (C021).

6.10 With reference to Figure 32, at position n°5, install support P/N AW001CL510C-N6 by means of adhesive EA9309.3NA (C021).

6.11 With reference to Figure 33, at position n°6, on existing hardware install clamp P/N AW001CB06H by means of washer P/N NAS1149D0332J and screw P/N NAS1802-3-7.

6.12 With reference to Figure 34, at position n°7, install stud P/N A366A3E14C by means of adhesive EA9309.3NA (C021) and install clamp P/N AW001CB05H and spacer P/N NAS43DD3-25N by means of washer P/N NAS1149D0332J and nut P/N MS21043-3.

6.13 With reference to Figure 34, at position n°8, install support P/N AW001CL510C-N6 by means of adhesive EA9309.3NA (C021).

6.14 With reference to Figure 34, at position n°9, install stud P/N A388A3E08C75 by means of adhesive EA9309.3NA (C021) and install clamp P/N AW001CB03H by means of washer P/N NAS1149D0332J and screw P/N NAS1190E3P5AK.

6.15 With reference to Figure 34, at position n°10, install support P/N AW001CL510D-N6 by means of adhesive EA9309.3NA (C021).

6.16 With reference to Figure 34, install EWP mounting tray P/N R686-404-1/9-A10-0 by means of n°3 screws P/N MS24693-C272, n°3 screws P/N MS27039-1-08 and n°3 washers P/N NAS1149D0332J.

6.17 With reference to Figure 35, at positions n°11 and n°12, install support P/N AW001CL007-CM by means of adhesive EA9309.3NA (C021).

6.18 With reference to Figure 36, install TB3064 terminal board P/N A593A-H06 by means of n°2 screws P/N NAS1802-06-6 and n°2 washers P/N NAS1149DN616J.

6.19 In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 36, install decal P/N ED300TB3064 in an area adjacent to previously installed terminal board.

6.20 With reference to Figures 26 thru 36, lay down the cable assemblies listed below, following the existing routes unless otherwise indicated on the figures:

- DATA BUS 1553 LANE A (SIAP) P/N 3G4620L00951;
- DATA BUS 1553 LANE A (SIAP) P/N 3G4620L01051;
- DATA BUS 1553 LANE A (SIAP) P/N 3G4620L01151;
- DATA BUS 1553 LANE A (SIAP) P/N 3G4620L01251;
- DATA BUS 1553 LANE A (SIAP) P/N 3G4620L01351;
- DATA BUS 1553 LANE B (SIAP) P/N 3G4620L01451;
- DATA BUS 1553 LANE B (SIAP) P/N 3G4620L01551;
- DATA BUS 1553 LANE B (SIAP) P/N 3G4620L01651;
- DATA BUS 1553 LANE B (SIAP) P/N 3G4620L01751;
- DATA BUS 1553 LANE B (SIAP) P/N 3G4620L01851;
- EWP (SIAP) C/A P/N 3G9A01A69701 (A1A697);
- EWP (SIAP) C/A P/N 3G9A01A69701 (A1B641);
- EWP (SIAP) C/A P/N 3G9A01A69701 (A2A632);
- EWP (SIAP) C/A P/N 3G9A01A69701 (A2B606);
- EWP (SIAP) C/A P/N 3G9A01A69701 (B1R32);
- EWP (SIAP) C/A P/N 3G9A01A69701 (B2B761);
- EWP (SIAP) C/A P/N 3G9A01A69701 (C1B357);
- EWP (SIAP) C/A P/N 3G9A01A69701 (C2B407);
- EWP (SIAP) C/A P/N 3G9A01A69701 (C3B317).

Secure the cables by means of previously installed fixing hardware and existing hardware. If necessary, replace existing clamps with suitable clamps.

6.21 With reference to Figure 34, perform the electrical connection of DATA BUS 1553 LANE A (SIAP) P/N 3G4620L00951 between box coupler connector CP82-STUBP1 and EWP connector A690P1B.

NOTE

Before performing following step 6.22, if required, replace the existing EIU connector A692P4 with the connector P/N ACB1/PG-4P-S38. Use crimping die AX-CD-02.

6.22 With reference to Figure 34, perform the electrical connection of DATA BUS 1553 LANE A (SIAP) P/N 3G4620L01051 between box coupler connector CP82-STUBP2 and EIU connector A692P4.

6.23 With reference to Figures 27 and 32, perform the electrical connection of DATA BUS 1553 LANE A (SIAP) P/N 3G4620L01151 between box coupler connector CP84-STUBP1 and SENSOR HEAD UNIT 0 connector A683P2.

6.24 With reference to Figures 30 and 32, perform the electrical connection of DATA BUS 1553 LANE A (SIAP) P/N 3G4620L01251 between box coupler connector CP84-STUBP2 and connector J1045.

6.25 With reference to Figures 32 and 34, perform the electrical connection of DATA BUS 1553 LANE A (SIAP) P/N 3G4620L01351 between box coupler connectors CP84-BUSP1 and CP82-BUSP1.

6.26 With reference to Figure 34, perform the electrical connection of DATA BUS 1553 LANE B (SIAP) P/N 3G4620L01451 between box coupler connectors CP83-STUBP1 and EWP connector A690P1B.

NOTE

Before performing following step 6.27, if required, replace the existing EIU connector A692P5 with the connector P/N ACB1/PG-3AP-S38. Use crimping die AX-CD-02.

6.27 With reference to Figure 34, perform the electrical connection of DATA BUS 1553 LANE B (SIAP) P/N 3G4620L01551 between box coupler connector CP83-STUBP2 and EIU connector A692P5.

6.28 With reference to Figures 27 and 32, perform the electrical connection of DATA BUS 1553 LANE B (SIAP) P/N 3G4620L01651 between box coupler connector CP85-STUBP1 and SENSOR HEAD UNIT 0 connector A683P2.

6.29 With reference to Figures 30 and 32, perform the electrical connection of DATA BUS 1553 LANE B (SIAP) P/N 3G4620L01751 between box coupler connector CP85-STUBP2 and connector J1024.

6.30 With reference to Figures 32 and 34, perform the electrical connection of DATA BUS 1553 LANE B (SIAP) P/N 3G4620L01851 between box coupler connectors CP85-BUSP1 and CP83-BUSP1.

6.31 With reference to Figures 27 thru 30 and Figures 85, 87, 90 thru 92, 94 and 95 wiring diagrams, perform the electrical connection of C/A A1A697 between sectioning connectors J103, J111, J1049 and A59J1, terminal boards TB129/1, TB129/3, TB129/4, TB137/1, TB143/2, TB179P1 and TB183, light dimmer panel connector PL19P1, EWCP connector PL138P1, TWD panel connectors DS195P1 and DS195P2, diodes CR1277, CR1267 and CR1265.

6.32 With reference to Figures 27 thru 29 and Figures 85, 87, 89, 91, 94 and 96 wiring diagrams, perform the electrical connection of C/A A1B641 between sectioning connectors P103, P111, P120 and A58J1, terminal boards TB126P1, TB148P1 and TB150/1, light dimmer panel connector PL19P1, EWCP connector PL138P1, diode CR1265.

6.33 With reference to Figures 27 thru 30 and Figures 85, 87, 90, 92, 94 and 96 wiring diagrams, perform the electrical connection of C/A A2A632 between sectioning connectors J113 and J1175, terminal boards TB125P1, TB179P1 and TB181/1, diodes CR1269, CR1271, CR1273 and CR1275, splices SP10265 (P/N M81824/1-1), SP10266 (P/N M81824/1-1), SP10633, SP10634, SP10635 and SP10636, TWD panel connector DS195P2, EWCP connector PL138P1, copilot ICS panel connector PL24P2 and pilot ICS panel connector PL8P2.

6.34 With reference to Figures 28, 29 and Figures 85 and 96 wiring diagrams, perform the electrical connection of C/A A2B606 between sectioning connectors P113 and P122.

6.35 With reference to Figures 29, 31, 33 and Figures 85, 87, 89 and 96 wiring diagrams, perform the electrical connection of C/A B1R32 between sectioning connectors J120 and J202, splice SP21691.

6.36 With reference to Figures 29, 31, 33 and Figures 85 and 96 wiring diagrams, perform the electrical connection of C/A B2B761 between sectioning connectors J122 and J208.

6.37 With reference to Figures 33 thru 36 and Figures 85 thru 87, 89, 93 and 96 wiring diagrams, perform the electrical connection of C/A C1B357 between sectioning connector P202, EWP connectors A690P1A and A690P1B, circuit breakers CB661, CB662 and CB663, splice SP3700, terminal boards TB300/1 and TB3064.

NOTE

Remove existing straight backshell from connector A692P3 and replace it with 90° backshell P/N A529A490-1502.

6.38 With reference to Figures 33 thru 36 and Figures 86, 93 and 96 wiring diagrams, perform the electrical connection of C/A C2B407 between sectioning connector P208, EWP connectors A690P1A and A690P1B, splice SP3699, terminal boards TB300/1 and TB3064, EIU connector A692P3 and diode CR368.

6.39 With reference to Figures 28 thru 31, 33, 34 and Figure 88 wiring diagrams, perform the electrical connection of C/A C3B317 between sectioning connector J1127, EWP connector A690P1C and TWD panel connector DS195P2.

NOTE

Performing following steps 6.40 and 6.41, do not refer to Figure 29 for sectioning connector J1127 position.

6.40 Install sectioning connector J1127 by means of the flange P/N M85049/95-16A-A, n°4 screws P/N NAS1802-04-7 and n°4 washers P/N NAS1149DN416J, according to MAG Service Bulletin SB-AB1-052.

6.41 In accordance with AMP DM 39-A-11-00-01-00A-720A-A, install decal P/N ED300J1127 in an area adjacent to previously installed sectioning connector.

6.42 With reference to Figure 30 View A, install sectioning connector J1175 and cover connector P/N D667-407XB15T1W-59 by means of the flange P/N M85049/95-16A-A, n°4 screws P/N NAS1802-04-10 and n°4 washers P/N NAS1149DN416J.

6.43 In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 30 View A, install decal P/N ED300J1175 in an area adjacent to previously installed sectioning connector.

6.44 With reference to Figure 30 Detail B, install sectioning connector J1049 and cover P/N D38999/33W13R by means of the flange P/N M85049/95-14A-A, n°4 screws P/N NAS1802-04-7 and n°4 washers P/N NAS1149DN432J.

6.45 In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 30 Detail B, install decals P/N ED300J1049, P/N ED300LANE A, P/N ED300LANE B, P/N ED300LANE DATA BUS, P/N ED300SIAP in an area adjacent to previously installed sectioning connector.

6.46 With reference to Figure 30 Detail B, install n°2 protective caps on the connectors J1045 and J1024.

6.47 In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 30 Detail B, install decals P/N ED300J1045 and P/N ED300J1024 in an area adjacent to previously installed terminal data busses.

6.48 Perform a pin-to-pin continuity check of all the electrical connections made.

NOTE

Perform the following step 6.49 only if EIU A692 P/N 1159-504-03 and box couplers CP82, CP83, CP84 and CP85 P/N ADB/A-R42-LP-BK3A-S will not be immediately installed.

6.49 With reference to Figures 32 and 34, protect and stow EIU connectors (A692P3, A692P4 and A692P5) and the box coupler connectors (CP82-BUSP1, CP82-STUBP2, CP83-STUBP2, CP83-STUBP1, CP83-BUSP1, CP82-STUBP1, CP84-BUSP1, CP85-BUSP1, CP84-STUBP1, CP84-STUBP2, CP85-STUBP1, CP85-STUBP2) as described in the following procedure:

6.49.1 Apply the applicable protective cap on the connector.

6.49.2 Cover with nomex fiber sleeves P/N EN6049-006-25-5 and use tie straps P/N AW001CK03LC to firmly tie down the sleeves on the connector.

6.49.3 Use tie straps to fix the connector to the cable loom.

7. In accordance with AMP DM 39-A-06-41-00-00A-010A-A and with reference to Figures 37 thru 45, gain access to the area affected by the installation and perform SIAP power electrical provision P/N 3G2460A04911 as described in the following procedure:

7.1 With reference to Figure 40, at position n°1, install support P/N°AW001CL001-N6 by means of adhesive EA9309.3NA (C021).

7.2 With reference to Figure 40, at position n°2, install spacer P/N°A631A01A.

7.3 With reference to Figure 43, at position n°3, remove and discard existing screw and install clamp P/N AW001CB07H by means of screw P/N NAS1802-3-25 on existing hardware.

7.4 With reference to Figure 43, at position n°4, install spacer P/N°A631A01A.

7.5 With reference to Figure 43, at position n°5, install ground stud P/N A363A01 by means of n°2 rivets P/N MS20426AD3A.

7.6 With reference to Figure 45, rework plate assy P/N 3G5317A56931 as described in the following procedure:

7.6.1 Perform cut-out according to standard n°999-0010-01-103.

7.6.2 In accordance with AMP DM 39-A-20-10-01-00A-259A-A, prepare indicated contact surfaces to assure the correct electrical bonding.

7.6.3 Drill n°4 holes Ø 3.87÷3.89 through the plate assy.

7.6.4 Install n°4 nut plates P/N MS21069L06 by means of n°8 rivets P/N°MS20426AD3.

7.6.5 Remark the reworked plate assy as P/N°5000082859-31.

7.7 With reference to Figure 44 Detail C, install plate assy P/N°5000082859-31 on the breaker panel support P/N 3G5318A14231.

7.8 With reference to Figure 44 Detail C, install Integrally light panel SIAP P/N°3G2490L05551 by means of the four captive screws.

7.9 With reference to Figure 44 Detail C, install n°2 plugs button P/N°999-5001-10-219.

7.10 With reference to Figure 44 Detail C, install n°2 circuit breakers P/N°MS3320-1, circuit breaker P/N°MS3320-2, circuit breaker P/N°MS3320-3, circuit breaker P/N°MS3320-5, n°3 circuit breakers P/N°MS3320-15 and n°6 lock rings P/N°AW001YC01RED in the indicated positions.

7.11 In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 44 Detail C, install decals P/N°ED300CB657, P/N°ED300CB658, P/N°ED300CB659, P/N°ED300CB660, P/N°ED300CB661, P/N°ED300CB662, P/N°ED300CB663 and P/N°ED300CB664 in an area adjacent to previously installed circuit breakers CB657, CB658, CB659, CB660, CB661, CB662, CB663 and CB664.

7.12 With reference to Figure 44 Detail D, install bonding cable assy P/N°A601A2B120 by means of n°2 washers P/N° MS35338-42, n°3 washers P/N°NAS1149DN832H, nut P/N°MS35649-282, nut P/N°MS21043-08 and screw P/N°MS24693-S52.

7.13 With reference to Figure 42, install bus bar P/N°999-8001-73-412 and bus bar P/N°999-8001-73-312 on the previously installed circuit breakers.

7.14 With reference to Figure 42, install terminal lugs W31B and W212A on the previously installed bus bars by means of n°2 screws P/N° MS35207-262, n°4 washers P/N° NAS1149D0332J and n°2 nuts P/N°MS21043-3.

7.15 With reference to Figures 37 thru 44, lay down the cable assemblies listed below, following the existing routes, unless otherwise indicated on the figures:

- ECDS (SIAP) C/A P/N 3G9B01L13801 (B1L138);
- ECDS (SIAP) C/A P/N 3G9B01R02701 (B1R027);
- ECDS (SIAP) C/A P/N 3G9B01R02801 (B1R028);
- ECDS (SIAP) C/A P/N 3G9C01B35601 (C1B356).

Secure the cables by means of previously installed fixing hardware and existing hardware. If necessary, replace existing clamps with suitable clamps.

7.16 With reference to Figures 40, 42, 43 and Figure 97 wiring diagram, perform the electrical connection of C/A B1L138 between diode module A77 and terminal lug W31B.

7.17 With reference to Figures 38 thru 41 and Figures 97 and 98 wiring diagrams, perform the electrical connection of C/A B1R027 between EWCP connector PL138P1, sectioning connector J204 and terminal board TB2288.

7.18 With reference to Figures 40, 42, 43 and Figure 97 wiring diagram, perform the electrical connection of C/A B1R028 between diode module A76 and terminal lug W32A.

7.19 With reference to Figure 42, if connector J3080 is not present, install connector J3080 P/N MS90335-6, in the position previously reworked on the panel.

7.20 With reference to Figures 41 thru 43 and Figures 97 and 98 wiring diagrams, perform the electrical connection of C/A C1B356 between terminal board TB3064, socket relays K438P1, sectioning connectors J3080 and P204, terminal lug W212A, circuit breakers CB657 and CB658.

7.21 With reference to Figure 43 View B, install bonding cable P/N°A601A2B120 as required.

7.22 With reference to Figure 42, on the bracket P/N A824A01A-A1 install K438P1 connector and then install relay P/N A648A01 (K438).

7.23 In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 42, install decal P/N ED300K438 in an area adjacent to previously installed relays.

7.24 Perform a pin-to-pin continuity check of all the electrical connections made.

8. In accordance with AMP DM 39-A-06-41-00-00A-010A-A and with reference to Figures 46 thru 54, gain access to the area affected by the installation and perform ECDS (SIAP) electrical provision P/N 3G9930A00711 as described in the following procedure:

8.1 With reference to Figure 49, at position n°1, install spacer P/N A631A01B.

8.2 With reference to Figure 49, at positions n°2 and n°3, install n°2 spacers P/N A631A01A.

8.3 With reference to Figure 51, at position n°4, install ground stud P/N A363A01 by means of n°2 rivets P/N MS20426AD3A.

8.4 In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 51, install decal P/N ED300GS381 in an area adjacent to previously installed ground stud.

8.5 With reference to Figure 52, at position n°5, remove and discard existing screw and install clamp P/N AW001CB07H by means of screw P/N NAS1190E3P7AK on existing hardware.

8.6 With reference to Figure 53, at positions n°6 and n°7, install n°2 studs P/N A388A3E14C75 by means of adhesive EA9309.3NA (C021) and install n°2 clamp P/N AW001CB05H, n°2 clamp P/N AW001CB10H by means of n°2 washers P/N NAS1149D0332J and n°2 screws P/N NAS1190E3P7AK.

8.7 With reference to Figure 54, at positions n°8 and n°9, install n°2 studs P/N A388A3E14C75 by means of adhesive EA9309.3NA (C021).

8.8 With reference to Figure 54, at positions n°10 and n°11, install n°2 supports P/N AW001CL001-N6 by means of adhesive EA9309.3NA (C021) and install n°2 clamp P/N AW001CB05H, n°2 clamp P/N AW001CB7H by means of n°2 washers P/N NAS1149D0332J and n°2 screws P/N NAS1190E3P7AK.

8.9 With reference to Figure 47, in case of interference of the terminal board connector TB179P1 with existing electrical support, relocate the electrical support by a displacement of 30 mm on BL and 30 mm on WL.

8.10 With reference to Figures 46 thru 54, lay down the cable assemblies listed below following the existing routess unless otherwise indicated on the figures:

- ECDS (SIAP) C/A P/N 3G9A01A69901 (A1A699);
- ECDS (SIAP) C/A P/N 3G9A02A63401 (A2A634);
- ECDS (SIAP) C/A P/N 3G9B01L14401 (B1L144);
- ECDS (SIAP) C/A P/N 3G9B02B76301 (B2B763);
- ECDS (SIAP) C/A P/N 3G9B02L14601 (B2L146);
- ECDS (SIAP) C/A P/N 3G9C01A38201 (C1A382);
- ECDS (SIAP) C/A P/N 3G9C01B35901 (C1B359);
- ECDS POWER C/A P/N 3G9C01B36101 (C1B361);
- ECDS (SIAP) C/A P/N 3G9C02B41101 (C2B411);
- ECDS (SIAP) C/A P/N 3G9D01A20901 (D1A209);
- ECDS (SIAP) C/A P/N 3G9D01B22801 (D1B228);
- ECDS (SIAP) C/A P/N 3G9D02B23001 (D2B230).

Secure the cables by means of previously installed fixing hardware and existing hardware. If necessary replace existing clamps with suitable clamps.

8.11 With reference to Figure 47 and Figure 105 wiring diagram, perform the electrical connection of C/A A1A699 between sectioning connector P135 and terminal board connector TB179P1.

8.12 With reference to Figure 47 and Figure 105 wiring diagram, perform the electrical connection of C/A A2A634 between sectioning connector P137 and terminal board TB181/1.

8.13 With reference to Figures 47 thru 49 and Figure 105 wiring diagram, perform the electrical connection of C/A B1L144 between sectioning connectors J135 and P253.

8.14 With reference to Figures 48 and 49 and Figure 105 wiring diagram, perform the electrical connection of C/A B2B763 between sectioning connectors J2454 and P251.

8.15 With reference to Figures 48 and 49 and Figure 105 wiring diagram, perform the electrical connection of C/A B2L146 between sectioning connectors J137 and J251.

8.16 With reference to Figures 49, 50, 54 and Figure 106 wiring diagram, perform the electrical connection of C/A C1A382 between sectioning connectors J253 and P305.

8.17 With reference to Figures 51 thru 53 and Figures 100, 101, 103 and 106 wiring diagrams, perform the electrical connection of C/A C1B359 between terminal boards TB300-1, TB3066-1 and TB3066-2, ground terminal module TB3064, socket relays K438P1 and K440P1, splices SP21697, SP3701, SP3704, SP3705, SP3706, SP3707, SP3708, SP3709, EIU connectors A692P1, A692P2 and A692P3, circuit breaker CB660 and sectioning connector P3082.

8.18 With reference to Figures 51, 52 and Figure 99 wiring diagram, perform the electrical connection of C/A C1B361 between ground stud GS381, socket relay K438P1, terminal board TB3066-1, splice SP3698 and circuit breaker CB659.

8.19 With reference to Figures 49, 51 thru 53 and Figures 101, 103, 107 wiring diagrams, perform the electrical connection of C/A C2B411 between sectioning connectors P2454 and P3084, terminal boards TB300-1 and TB3066-2, EIU connector A692P3.

8.20 With reference to Figures 53, 54 and Figures 102 and 106 wiring diagrams, perform the electrical connection of C/A D1A209 between sectioning connectors J418, J417 and J305, terminal boards TB483, TB485, TB487, TB489, TB491, TB493 and SSU connector A412P1.

8.21 With reference to Figures 53, 54 and Figures 101, 102 and 106 wiring diagrams, perform the electrical connection of C/A D1B228 between sectioning connectors J3082, J417 and J418, splices SP4002, SP4003, SP4004, SP4005, SP4010, SP4011, and SSU connector A412P1.

8.22 With reference to Figures 53, 54 and Figures 101, 104 and 107 wiring diagrams, perform the electrical connection of C/A D2B230 between sectioning connectors J3084, J417, J418 and SSU connector A412P1.

8.23 With reference to Figure 52 View Looking Bay RH Side, on the existing bracket install K440P1 connector and then install relay P/N A648A01 (K440).

8.24 In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 52, install decal P/N ED300K440 in an area adjacent to previously installed relay.

8.25 With reference to Figure 52 View Looking Bay RH Side, on the existing rail install terminal boards P/N A593A-A02 and P/N A593A-C01.

8.26 In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 52, install decals P/N ED300TB3066-2 and P/N ED300TB3066-1 in an area adjacent to previously installed terminal boards.

8.27 With reference to Figure 53, install sectioning connector J418 by means of the flange P/N M85049/95-18A-A, n°4 screws P/N NAS1802-04-6 and n°4 washers P/N NAS1149DN416J.

8.28 In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 53, install decal P/N ED300J418 in an area adjacent to previously installed connector J418.

8.29 With reference to Figure 54, install sectioning connector J417 by means of the flange P/N M85049/95-18A-A, n°4 screws P/N NAS1802-04-6 and n°4 washers P/N NAS1149DN416J.

8.30 In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 54, install decal P/N ED300J417 in an area adjacent to previously installed connector J417.

8.31 Perform a pin-to-pin continuity check of all the electrical connections made.

NOTE

Perform the following step 8.32 only if expanded interface unit A692 P/N 1159-504-03 will not be immediately installed.

8.32 With reference to Figure 52 View Looking Bay RH Side and Detail C, protect and stow the cable connectors A692P1, A692P2 and A692P3 as described in the following procedure:

8.32.1 Apply the applicable protective cap on the connector.

8.32.2 Cover with nomex fiber sleeves P/N EN6049-006-25-5 and use tie straps P/N AW001CK03LC to firmly tie down the sleeves on the connector.

8.32.3 Use tie straps to fix the connector to the cable loom.

NOTE

Perform the following steps 8.33 and 8.34 only if sequencer & dispenser units A691 and A694 P/N 1160-504-03 will not be immediately installed.

8.33 With reference to Figure 53, stow sectioning connector J418 by means of cover P/N D38999/33W17R.

8.34 With reference to Figure 54, stow sectioning connector J417 by means of cover P/N D38999/33W17R.

8.35 With reference to Figure 53, install sectioning connector J3082 by means of the flange P/N M85049/95-20A-A, n°4 screws P/N NAS1802-04-7 and n°4 washers P/N NAS1149DN416J.

8.36 With reference to Figure 53, install sectioning connector J3084 by means of the flange P/N M85049/95-16A-A, n°4 screws P/N NAS1802-04-7 and n°4 washers P/N NAS1149DN416J.

8.37 In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 53, install decals P/N ED300J3082 and P/N ED300J3084 in an area adjacent to previously installed connectors.

9. In accordance with AMP DM 39-A-06-41-00-00A-010A-A and with reference to Figures 55 thru 66, gain access to the area affected by the installation and perform MILDS (SIAP) electrical provision P/N 3G9350A08811 as described in the following procedure:

9.1 With reference to Figure 56, at positions n°1, install ground stud P/N A363A01 by means of n°2 rivets P/N MS20426AD3A.

9.2 With reference to Figure 56, at position n°2, install clamp P/N AW001CB08H on existing hardware, replace existing screw with screw P/N NAS1190E3P8AK.

9.3 With reference to Figure 56, at position n°3, install clamp P/N AW001CB03H on existing hardware.

9.4 With reference to Figure 57, at position n°4, install clamp P/N AW001CB03H on existing hardware, replace existing screw with screw P/N NAS1190E3P15AK.

9.5 With reference to Figure 58, at positions n°5, install ground stud P/N A363A01 by means of n°2 rivets P/N MS20426AD3A.

9.6 With reference to Figure 58, at position n°6, install P/N A366A3E08C by means of adhesive EA9309.3NA (C021) and install clamp P/N AW001CB09H by means of nut P/N MS21043-3, washer P/N NAS1149D0332J, screw NAS1802-3-9.

9.7 With reference to Figure 60 View D, at position n°7, install stud P/N A366A3E08C75 by means of adhesive EA9309.3NA (C021) and install clamp P/N AW001CB09H, bracket P/N MS9592-010, n°2 nuts P/N MS21043-3, n°3 washers P/N NAS1149D0332J and screw P/N NAS1802-3-9.

9.8 With reference to Figure 60 View D, at position n°8, install clamp P/N AW001CB03H on existing hardware, replace existing screw with screw P/N NAS1802-3-17.

9.9 With reference to Figure 59, at positions n°9, install ground stud P/N A363A01 by means of n°2 rivets P/N MS20426AD3A.

9.10 With reference to Figure 61, at positions n°10 and n°11, install n°2 support P/N A631A01A.

9.11 With reference to Figure 61, at position n°12, install support P/N A631A01B.

9.12 With reference to Figure 63, at position n°13, install ground stud P/N A363A01 by means of n°2 rivets P/N MS20426AD3A.

9.13 In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 63, install decal P/N ED300GS376 in an area adjacent to previously installed ground stud.

9.14 With reference to Figure 64, at position n°14, replace existing stud with stud P/N A366A3E32C by means of adhesive EA9309.3NA (C021) and install clamp P/N AW001CB08H and spacer P/N NAS43DD3-45N.

9.15 With reference to Figure 65, at position n°15, install clamp P/N AW001CB08H on existing hardware.

9.16 With reference to Figure 65, at positions n°16 and n°17, replace existing studs with n°2 studs P/N A366A3E22C by means of adhesive EA9309.3NA (C021) and install n°2 clamps P/N AW001CB08H and n° 2 spacers P/N NAS43DD3-44N.

9.17 With reference to Figure 65, at position n°18, install clamp P/N AW001CB08H on existing hardware and replace existing screw with screw P/N NAS1802-3-10.

9.18 With reference to Figure 65, at position n°19, install clamp P/N AW001CB08H, and spacer P/N NAS43DD3-45N on existing hardware and replace existing screw with screw P/N NAS1802-3-10.

9.19 With reference to Figure 66 View Looking Vertical Tail, at positions n°20, install ground stud P/N A363A01 by means of n°2 rivets P/N MS20426AD3A.

9.20 With reference to Figure 66 View Looking Vertical Tail, at position n°21, install stud P/N A366A3E16C by means of adhesive EA9309.3NA (C021) and install clamp P/N AW001CB08H, clamp P/N AW001CB04H, nut P/N MS21043-3, washer P/N NAS1149D0332J, spacer P/N NAS43DD3-22N.

9.21 With reference to Figure 66 View H, at position n°22, install stud P/N A366A3E22C by means of adhesive EA9309.3NA (C021) and install clamp P/N AW001CB03H, clamp P/N AW001CB05H, nut P/N MS21043-3, washer P/N NAS1149D0332J, spacer P/N NAS43DD3-45N.

9.22 With reference to Figure 66 View H, at positions n°23 and n°24, install N°2 anchor nuts P/N AW001TL3A06 by means of adhesive EA9309.3NA (C021) and install n°2 clamps P/N AW001CB03H, install n°2 clamps P/N AW001CB05H, install n°2 washers P/N NAS1149D332J, install n°2 screws P/N NAS1802-3-10 on existing hardware.

9.23 With reference to Figures 55 thru 66, lay down the following cable assemblies as indicated on the figures:

- MILDS SIAP C/A (A1A698) P/N 3G9A01A69801;
- MILDS SIAP C/A (A1B642) P/N 3G9A01B64201;
- MILDS SIAP C/A (A2A633) P/N 3G9A02A63301;
- MILDS SIAP C/A (A2B607) P/N 3G9A02B60701;
- MILDS SIAP C/A (B1L142) P/N 3G9B01L14201;
- MILDS SIAP C/A (B1R33) P/N 3G9B01R03301;
- MILDS SIAP C/A (B2B762) P/N 3G9B02B76201;
- MILDS SIAP C/A (B2L144) P/N 3G9B02L14401;
- MILDS SIAP C/A (C1B358) P/N 3G9C01B35801;
- MILDS SIAP C/A (C2B408) P/N 3G9C02B40801;
- MILDS SIAP C/A (D1B227) P/N 3G9D01B22701;
- MILDS SIAP C/A (D2B228) P/N 3G9D02B22801.

9.24 With reference to Figures 56 thru 58 and Figure 110 wiring diagram, perform the electrical connection of C/A A1A698 between sectioning connectors J103 and P135, terminal boards TB179P1 and TB183, and sensor head unit 0 connector A683P1.

9.25 With reference to Figures 56 thru 58 and Figure 110 wiring diagram, perform the electrical connection of C/A A1B642 between sectioning connector P103 and sensor head unit 1 connector A682P1.

9.26 With reference to Figures 56 thru 58 and Figure 110 and 111 wiring diagrams, perform the electrical connection of C/A A2A633 between sectioning connectors J107 and P137, terminal board TB179P1 and sensor head unit 0 connector A683P2.

9.27 With reference to Figures 56 thru 58 and Figure 111 wiring diagram, perform the electrical connection of C/A A2B607 between sectioning connectors P103, P107 and sensor head unit 1 connector A682P2.

9.28 With reference to Figures 57, 59, 60 and Figure 109 wiring diagram, perform the electrical connection of C/A B1L142 between sectioning connectors J249 and J135.

9.29 With reference to Figures 59 thru 61 and Figure 109 wiring diagram, perform the electrical connection of C/A B1R33 between sectioning connectors J204 and P249. Apply n°3 caps P/N A583A2418C to wires T3870G22-G and T3875H22-G and stow on the sub-floor area as required according to Figure 60 View D.

9.30 With reference to Figures 57, 59 thru 61 and Figures 111 and 112 wiring diagrams, perform the electrical connection of C/A B2B762 between sectioning connectors J122, J2454 and P251. Install n°3 splices P/N M81824/1-1 on wires T3991C24-S and T3992C22-S and connect to the other sides of the splices the wires T3898A24-S and T3899A22-S according to Figure 111 wiring diagram. Route reworked wires on the sub-floor area as required according to Figure 60 View D.

9.31 With reference to Figures 57, 59, 60 and Figure 111 wiring diagram, perform the electrical connection of C/A B2L144 between sectioning connectors J137 and J251.

9.32 With reference to Figures 61 thru 64 and Figures 108 and 109 wiring diagrams, perform the electrical connection of C/A C1B358 between sectioning connectors P204 and P3082, terminal boards TB3064 and TB3066/3, ground stud GS376 and circuit breaker CB664.

9.33 With reference to Figures 61 thru 64 and Figure 112 wiring diagram, perform the electrical connection of C/A C2B408 between sectioning connectors P2454 and P3084.

NOTE

If sectioning connector J3082 is present on C/A D1B227, remove it and restore the connections on sectioning connector J3082 of C/A D1B228, according to Figure 112 wiring diagram.

9.34 With reference to Figures 64 thru 66 and Figure 108 wiring diagram, perform the electrical connection of C/A D1B227 between sectioning connectors J3082, sensor head unit 3 connector A685P1 and sensor head unit 2 connector A684P1.

9.35 With reference to Figure 66 and Figure 112 wiring diagram, open A685P2 connector and modify connections as described in the following procedure:

9.35.1 Remove wire T3904A22-S from pin 12 and from pin 18.

9.35.2 Connect wire T3904A22-S to pin 2 and pin 6.

NOTE

If sectioning connector J3084 is present on C/A D2B228, remove it and restore the connections on sectioning connector J3084 of C/A D2B230, according to Figure 112 wiring diagram.

9.36 With reference to Figures 64 thru 66 and Figure 112 wiring diagram, perform the electrical connection of C/A D2B228 between sectioning connector J3084, sensor head unit 3 connector A685P2 and sensor head unit 2 connector A684P2.

9.37 With reference to Figure 61, install sectioning connector J2454 by means of the flange P/N M85049/95-14A-A, n°4 screws P/N NAS1802-04-7 and n°4 washers P/N NAS1149DN416J.

9.38 In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 61, install decal P/N ED300J2454 in an area adjacent to previously installed connectors.

9.39 With reference to Figure 61, connect the sectioning connector P2454 to the sectioning connector J2454.

9.40 With reference to Figure 64, connect the sectioning connector P3082 to the sectioning connector J3082.

9.41 With reference to Figure 64, connect the sectioning connector P3084 to the sectioning connector J3084.

9.42 Perform a pin-to-pin continuity check of all the electrical connections made.

10. In accordance with AMP DM 39-A-06-41-00-00A-010A-A and with reference to Figures 69 thru 73, gain access to the area affected by the installation and perform EWP (SIAP) equipment installation P/N 3G9960A01011 as described in the following procedure:

10.1 With reference to Figure 69 View A, remove n°3 lock rings P/N AW001YC01RED.

10.2 With reference to Figure 70, if installed, remove plate assy P/N 3G5317A64131 and relevant fixing hardware.

10.3 With reference to Figure 70, install DS195 TWD panel P/N EA9900V513-001 by means of existing hardware.

10.4 In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 70, install decal P/N ED300DS195 in an area adjacent to previously installed TWD panel.

10.5 With reference to Figure 70, connect DS195P2 and DS195P1 connectors to DS195 TWD panel.

10.6 With reference to Figure 71, if installed, remove plate assy P/N 3G5316A73231 and relevant fixing hardware.

10.7 With reference to Figure 71, install EWCP P/N 881-0790-03-101 by means of existing hardware.

10.8 In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 71, install decal P/N ED300PL138 in an area adjacent to previously installed EWCP.

10.9 With reference to Figure 71 View C, connect PL138P1 connector to PL138 EWCP.

10.10 With reference to Figure 72, install n°2 box couplers P/N ADB/A-R42-LP-BK3A-S by means of n°4 screws P/N NAS1802-04-7, n°4 nuts P/N MS21042L04 and n°8 washers P/N NAS1149DN416J.

10.11 In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 72, install decals P/N ED300CP84 and P/N ED300CP85 in an area adjacent to previously installed box couplers.

10.12 With reference to Figure 72, install n°2 plug terminators P/N AMB/A-D-ACB1-PG3A-P.

NOTE

Perform the following step 10.13 only if EIU connectors and box coupler connectors are stowed.

10.13 With reference to Figures 72 and 73, untie the EIU connectors (A692P3, A692P4, A692P5) and box coupler connectors (CP82-BUSP1, CP82-STUBP2, CP83-STUBP2, CP83-STUBP1, CP83-BUSP1 and CP82-STUBP1, CP84-BUSP1, CP85-BUSP1, CP84-STUBP1, CP84-STUBP2, CP85-STUBP1 and CP85-STUBP2) as follows:

10.13.1 Remove the connectors from their supports.

10.13.2 Remove the Meta-Aramid Nomex fiber sleeve.

10.13.3 Remove the protective plugs from connectors.

10.14 With reference to Figure 72, connect the connectors CP84-BUSP1, CP85-BUSP1, CP84-STUBP1, CP84-STUBP2, CP85-STUBP1 and CP85-STUBP2 to box couplers CP84 and CP85 as required.

10.15 With reference to Figure 73, install support P/N°AW001CL001-N6 by means of adhesive EA9309.3NA (C021).

10.16 With reference to Figure 73, install EIU P/N 1159-504-03 by means of n°4 screws P/N LN65022-0506 and n°4 washers P/N LN9025-0510L on EIU mounting adapter P/N 1259.007-01.

10.17 With reference to Figure 73, install EIU mounting adapter P/N 1259.007-01 on the avionic bay panel by means of n°4 screws P/N NAS1802-3-8 and n°4 washers P/N NAS1149D0332J.

10.18 In accordance with AMP 39-A-11-00-01-00A-720A-A and with reference to Figure 73, install decal P/N ED300A692 in an area adjacent to previously installed A692 EIU.

10.19 With reference to Figure 73, connect the connectors A692P3, A692P4 and A692P5 to A692 EIU as required.

10.20 With reference to Figure 73 View F, install bonding cable P/N°A601A3B16.

10.21 With reference to Figure 73, install Electronic Warfare Processor P/N EA9900V511-001 by means of n°6 screws P/N NAS1802-3-8 and n°6 washers P/N NAS1149D0332J.

10.22 In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 73, install decal P/N ED300A690 in an area adjacent to previously installed A690 EWP.

10.23 With reference to Figure 73, install n°2 box couplers P/N ADB/A-R42-LP-BK3A-S by means of n°4 screws P/N NAS1802-04-7, n°4 nuts P/N MS21042L04 and n°8 washers P/N NAS1149DN416J.

10.24 In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 73, install decals P/N ED300CP82 and P/N ED300CP83 in an area adjacent to previously installed box couplers.

10.25 With reference to Figure 73, install n°2 plug terminators P/N AMB/A-D-ACB1-PG3A-P.

10.26 With reference to Figure 73, connect the connectors CP82-BUSP1, CP82-STUBP2, CP83-STUBP2, CP83-STUBP1, CP83-BUSP1 and CP82-STUBP1 to box couplers CP82 and CP83 as required.

11. In accordance with AMP DM 39-A-06-41-00-00A-010A-A and with reference to Figures 67 and 68, gain access to the area affected by the installation and perform ECDS (SIAP) equipment installation P/N 3G9930A00811 as described in the following procedure:

NOTE

Perform the following step 11.1 only if EIU connectors A692P1 and A692P2 are stowed.

11.1 With reference to Figure 68 Detail B, untie the connectors A692P1 and A692P2 as follows:

11.1.1 Remove the connectors from their supports.

11.1.2 Remove the Meta-Aramid Nomex fiber sleeve.

11.1.3 Remove the protective plugs from connectors.

11.2 With reference to Figure 68, connect the connectors A692P1 and A692P2 to A692 EIU as required.

12. In accordance with AMP DM 39-A-06-41-00-00A-010A-A and with reference to Figure 74, gain access to the area affected by the installation and perform support CHAFFS-FLARES installation P/N 3G9900A00412 as described in the following procedure:

12.1 With reference to Figure 74 View A, if installed remove n°2 covers P/N 3G5316A73551 and relevant n°16 screws P/N NAS1802-3-9.

12.2 With reference to Figure 74 View A, install RH CHAFFS-FLARES support assy P/N 3G5317A86331 by means of n°8 screws P/N NAS1802-3-12 and n°8 washers P/N NAS1149C0332R.

WARNING

AZIMUTH POSITION 10° MUST BE NEVER USED.

NOTE

The suggested position of counter measure launch system for FLARES is:
FORWARD: 20° Azimuth; -20° ELEVATION.
AUTO Mode shall be inhibited at or below 45KIAS.
The suggested position of counter measure launch system for CHAFF is:
REARWARD: 20° Azimuth; -40° ELEVATION.

12.3 With reference to Figure 74 View C, install hi-lok pin P/N HL20PB-8-4 and collar P/N HL86-8 as required.

12.4 With reference to Figure 74 View A, install LH CHAFFS-FLARES support assy P/N 3G5317A86231 by means of n°8 screws P/N NAS1802-3-12 and n°8 washers P/N NAS1149C0332R.

WARNING

AZIMUTH POSITION 10° MUST NEVER BE USED.

NOTE

The suggested position of counter measure launch system for FLARES is:
FORWARD: 20° Azimuth; -20° ELEVATION.
AUTO Mode shall be inhibited at or below 45KIAS.
The suggested position of counter measure launch system for CHAFF is:
REARWARD: 20° Azimuth; -40° ELEVATION.

12.5 With reference to Figure 74 View C, install hi-lok pin P/N HL20PB-8-4 and collar P/N HL86-8 as required.

12.6 With reference to Figure 74 View B, if installed remove the plate assy P/N 3G5316A73831.

12.7 With reference to Figure 74 View B, install the safety switch plate P/N 3G5316A73751 by means of existing hardware. Seal all around by means of sealant MC-780 B-2 (C465).

12.8 In accordance with AMP DM 39-A-20-00-00-00A-69CA-A and with Figure 74, perform the paint marking of the assembled parts.

13. In accordance with AMP DM 39-A-06-41-00-00A-010A-A and with reference to Figures 75 thru 77, gain access to the area affected by the installation and perform CHAFFS-FLARES elevation angle paint P/N 3G1110A30131 as described in the following procedure:

NOTE

If the painted area is not clear on the background colour,
it is allowed to change the background colour locally.

13.1 With reference to Figure 76, apply yellow paint 35-FS 33655 with the use of stencil yellow P/N 3G1110A30152 in the indicated areas on the LH CHAFFS-FLARES support assy P/N 3G5317A86231.

13.2 With reference to Figure 76, apply red paint 35-FS 31136 with the use of stencil red P/N 3G1110A30151 in the indicated areas on the LH CHAFFS-FLARES support assy P/N 3G5317A86231.

13.3 With reference to Figure 76, apply black paint 35-FS 37038 with the use of decal graduated P/N 3G1110A30154 in the indicated areas on the LH CHAFFS-FLARES support assy P/N 3G5317A86231

13.4 With reference to Figure 77, repeat steps 13.1 thru 13.3 for RH CHAFFS-FLARES support assy P/N 3G5317A86331.

14. In accordance with AMP DM 39-A-06-41-00-00A-010A-A and with reference to Figures 78 thru 84, gain access to the area affected by the installation and perform MILDS (SIAP) equipment installation P/N 3G9350A08911 as described in the following procedure:

14.1 With reference to Figure 78 View A, remove n°3 lock rings P/N AW001YC01RED.

14.2 With reference to Figure 79, if installed remove n°2 cover assemblies P/N 3G5316A74831 and relevant fixing hardware.

14.3 With reference to Figure 79, install A682 MILDS unit P/N 50.2860.924.00 by means of n°8 screws P/N LN9136-04018.

14.4 In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 79, install decal P/N ED300A682 in an area adjacent to previously installed MILDS.

NOTE

Performing installation of the bonding cable at step 14.5,
the use of an additional washer is allowed, if required.

14.5 With reference to Figures 79 and 80 View D-D, install bonding cable P/N A601A4B60 on existing ground stud and on A682 MILDS by means of nut P/N LN9338-06 and washer P/N LN9025-0610K.

14.6 With reference to Figure 80 View D-D and Figures 110 and 111 wiring diagrams, connect A682P1 and A682P2 connectors to A682 MILDS.

14.7 With reference to Figure 79, install A683 MILDS unit P/N 50.2860.924.00 by means of n°8 screws P/N LN9136-04018.

14.8 In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 79, install decal P/N ED300A683 in an area adjacent to previously installed MILDS.

NOTE

Performing installation of the bonding cable at step 14.9,
the use of an additional washer is allowed, if required.

14.9 With reference to Figures 79 and 80 View E-E, install bonding cable P/N A601A4B60 on existing ground stud and on A683 MILDS by means of nut P/N LN9338-06 and washer P/N LN9025-0610K.

14.10 With reference to Figure 80 View E-E and Figures 110 and 111 wiring diagrams, connect A683P1 and A683P2 connectors to A683 MILDS.

14.11 With reference to Figure 81, if installed remove n°2 cover assemblies P/N 3G5316A74831 and relevant fixing hardware.

14.12 With reference to Figure 81, install A684 MILDS unit P/N 50.2860.924.00 by means of n°8 screws P/N LN9136-04018.

14.13 In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 81, install decal P/N ED300A684 in an area adjacent to previously installed MILDS.

14.14 With reference to Figures 81 and 84 View M-M, install bonding cable P/N A601A4B120 on existing ground stud and on A684 MILDS by means of nut P/N LN9338-06 and washer P/N LN9025-0610K.

14.15 With reference to Figure 84 View M-M and Figures 110 and 112 wiring diagrams, connect A684P1 and A684P2 connectors to A684 MILDS.

14.16 With reference to Figure 81, install A685 MILDS unit P/N 50.2860.924.00 by means of n°8 screws P/N LN9136-04018.

14.17 In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 81, install decal P/N ED300A685 in an area adjacent to previously installed MILDS.

14.18 With reference to Figures 81 and 84 View L-L, install bonding cable P/N A601A4B120 on existing ground stud and on A685 MILDS by means of nut P/N LN9338-06 and washer P/N LN9025-0610K.

14.19 With reference to Figure 84 View L-L and Figures 108 and 112 wiring diagrams, connect A685P1 and A685P2 connectors to A685 MILDS.

NOTE

Refer to the applicable RFM to adjust the position of the A691 SDU at following step 14.20.

14.20 With reference to Figure 81, install A691 SDU P/N 1160.504-03 and dispenser cover P/N 1101-450-01, by means of n°6 screws P/N LN9038K06016, n°6 washers P/N LN9025-0610K and lockwire.

14.21 In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 81, install decal ED300A691 in an area adjacent to previously installed A691 SDU.

14.22 With reference to Figure 83 View H, install clamp P/N AW001CB09H on existing hardware.

14.23 With reference to Figures 83 View H and 82 Detail N, install bonding cable P/N A601A3B50 by means of nut P/N LN9338-04, washer P/N LN9025-0410K, screw P/N NAS1802-3-7, lockwasher P/N MS35338-43 and washer P/N NAS1149D0332K.

14.24 With reference to Figure 83 View H, install ECDS (SIAP) C/A (D2A7) P/N 3G9D12A00711, secure the cable by means of previously installed fixing hardware, perform the electrical connection of A691P1 and A691P2 connectors to A691 SDU and P417 connector to J417 connector.

NOTE

Refer to the applicable RFM to adjust the position of the A694 SDU at following step 14.25.

14.25 With reference to Figure 81, install A694 SDU P/N 1160.504-03 and dispenser cover P/N 1101-450-01, by means of n°6 screws P/N LN9038K06016, n°6 washers P/N LN9025-0610K and lockwire.

14.26 In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 81, install decal ED300A694 in an area adjacent to previously installed A694 SDU.

14.27 With reference to Figure 82 View G, install clamp P/N AW001CB09H on existing hardware.

14.28 With reference to Figure 82 View G and Detail N, install bonding cable P/N A601A3B50 by means of nut P/N LN9338-04, washer P/N LN9025-0410K, screw P/N NAS1802-3-7, lockwasher P/N MS35338-43 and washer P/N NAS1149D0332K.

14.29 With reference to Figure 82 View G, install ECDS (SIAP) C/A (D2B107) P/N 3G9D12B10711, secure the cable by means of previously installed fixing hardware, perform the electrical connection of A694P1 and A694P2 connectors to A694 SDU and P418 connector to J418 connector.

14.30 With reference to Figure 74 View B and to Figure 83 Detail F, install A412 safety switch unit P/N 1155.500-01 as described in the following procedure:

14.30.1 With reference to Figure 74 View B, remove the assembly of support P/N 3G5316A73631 and safety switch plate P/N 3G5316A73751 from the fuselage. Retain existing hardware for later reuse.

14.30.2 With reference to Figure 83 Detail F, from the internal side of the support P/N 3G5316A73631, install A412 safety switch unit P/N 1155.500-01 fixing it to the safety switch plate P/N 3G5316A73751 by means of n°3 screws P/N LN9038K05010, n°3 washers P/N LN9025-0510K, lock wire P/N MS20995C32, safety pin P/N MS17986C509 and streamer warning P/N NAS1756-24.

14.30.3 With reference to Figure 83 Detail F and Figures 101 and 102 wiring diagrams, connect A412P1 connector to A412 SSU.

14.30.4 With reference to Figure 74 View B, re-install the support P/N 3G5316A73631 on the fuselage by means of previously removed hardware. Seal all around by means of sealant MC-780 B-2 (C465).

14.31 In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 83 Detail F, install decal ED300A412 in an area adjacent to previously installed A412 SSU.

15. In accordance with Annex A, perform the SIAP functional test.
16. In accordance with weight and balance changes, update the Chart A (see Rotorcraft Flight Manual, Part II, section 6).
17. Return the helicopter to flight configuration and record for compliance with this Service Bulletin on the helicopter logbook.
18. Gain access to My Communications section on Leonardo Customer Portal and compile the “Service - Technical Bulletin Application”.

As an alternative, send the attached compliance form to the following mail box:

engineering.support.lhd@leonardo.com

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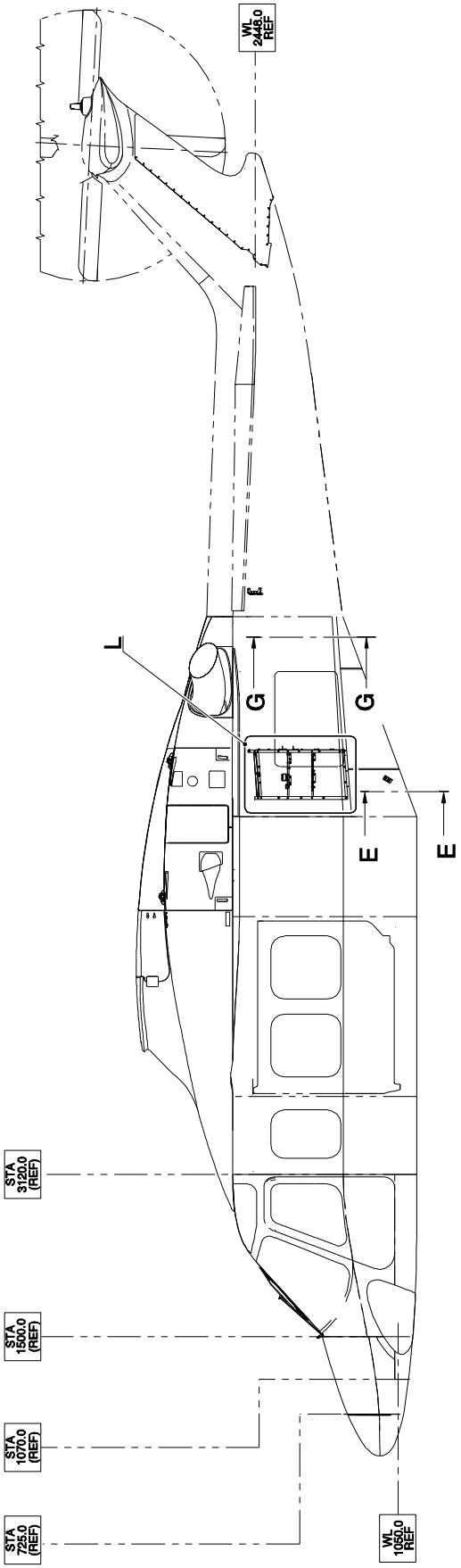
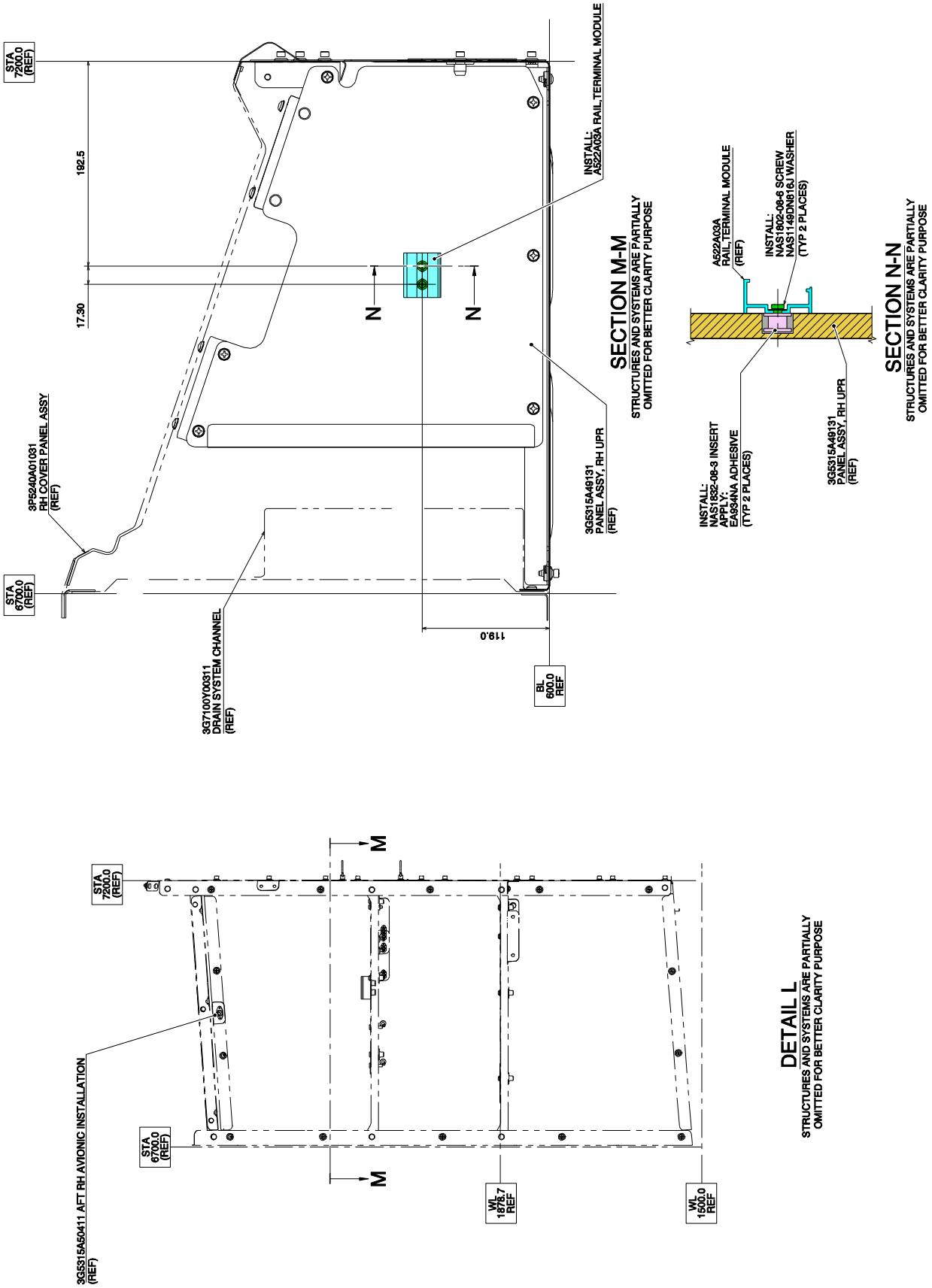


VIEW LOOKING INBOARD LEFT SIDE

Figure 1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N
N
INSTALL: AS22A03A RAIL,TERMINAL MODULE
3P5240A01031 RH COVER PANEL ASSY (REF)
3G7100Y00311 DRAIN SYSTEM CHANNEL (REF)
3G5315A49131 PANEL ASSY, RH UPR (REF)
119.0
BL 600.0 REF
SECTION M-M
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
AS22A03A RAIL,TERMINAL MODULE (REF)
INSTALL: NAS1802-06-6 SCREW NAS1149D0616J WASHER (TYP 2 PLACES)
INSTALL: NAS1832-06-3 INSERT APPLY: EA934NA ADHESIVE (TYP 2 PLACES)
3G5315A49131 PANEL ASSY, RH UPR (REF)
SECTION N-N
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
M
M
STA 7200.0 (REF)
STA 6700.0 (REF)
WL 1875.7 REF
WL 1500.0 REF
3G5315A50411 AFT RH AVIONIC INSTALLATION (REF)
DETAIL L
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

Figure 2

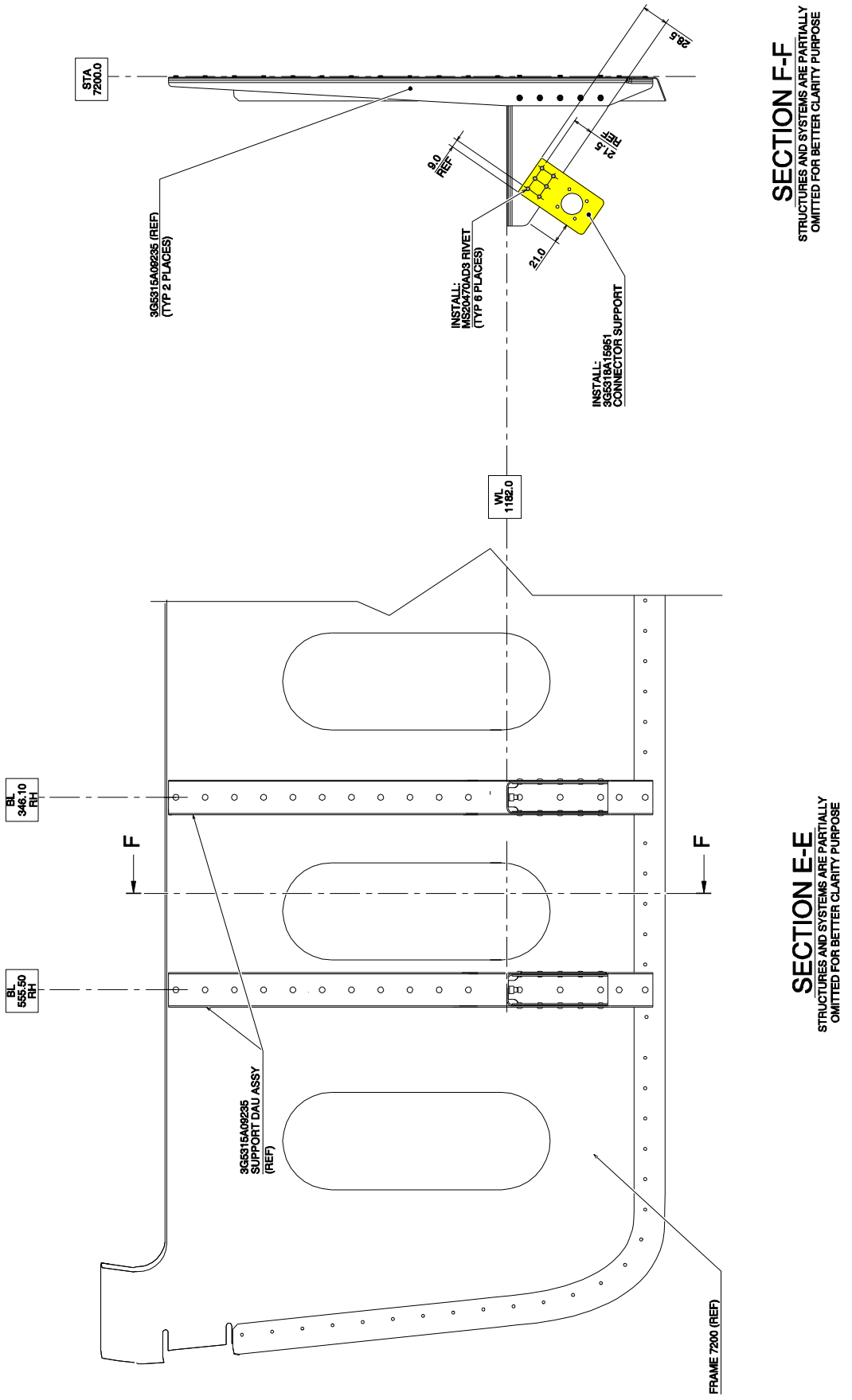

SECTION F-F
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
STA 7200.0
28.5
REF 21.5
8.0 REF
21.0
3G5315A09235 (REF) (TYP 2 PLACES)
INSTALL: MS20470AD3 RIVET (TYP 6 PLACES)
INSTALL: 3G5316A15051 CONNECTOR SUPPORT
WL 1182.0
SECTION E-E
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
BL 346.10 RH
BL 555.50 RH
F
F
3G5315A09235 SUPPORT DAU ASSY (REF)
FRAME 7200 (REF)

Figure 3

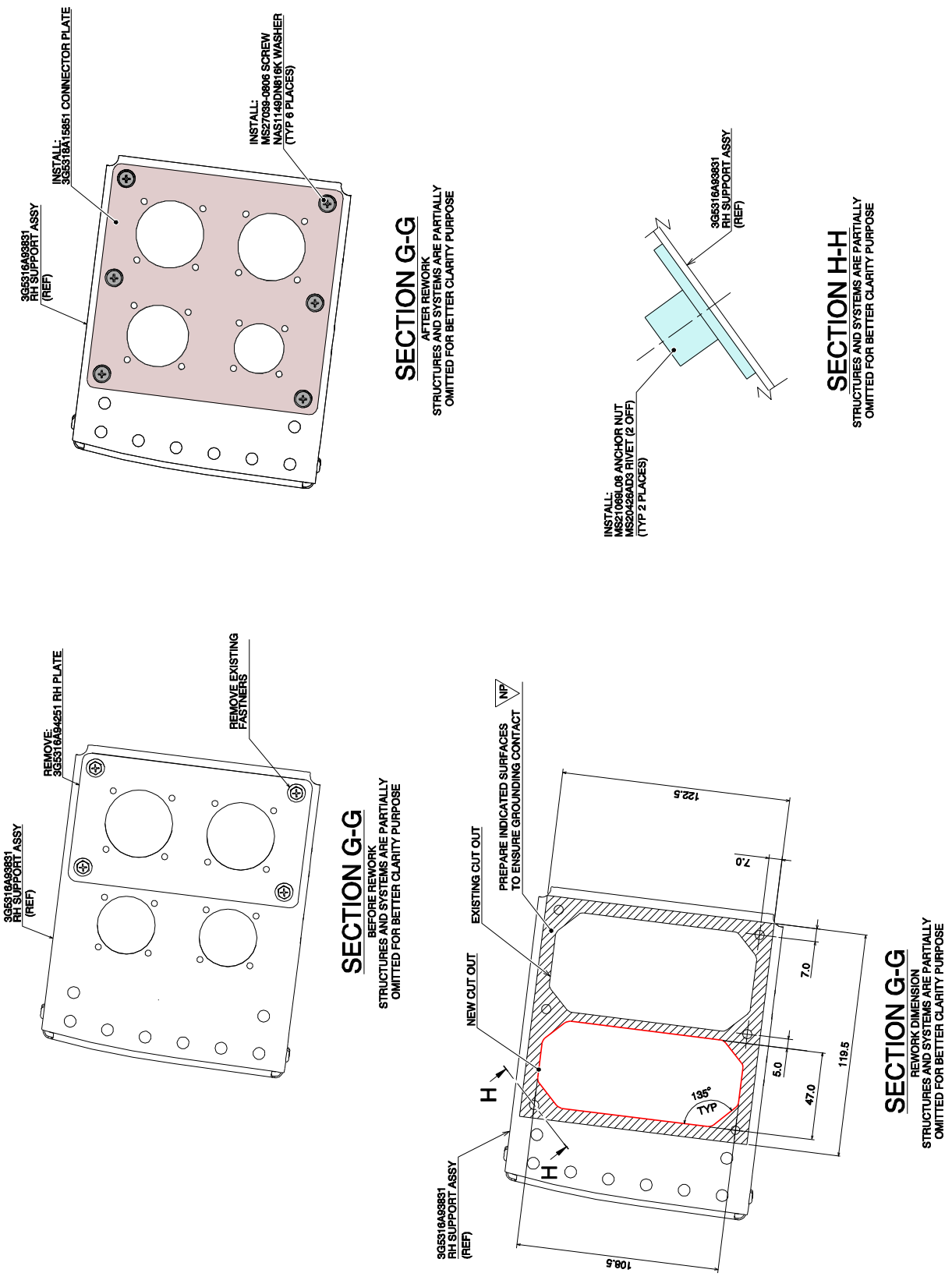

INSTALL:
3G53316A15851 CONNECTOR PLATE
INSTALL:
MS27039-0806 SCREW
NAS1149DN816K WASHER
(TYP 6 PLACES)
3G53316A93831
RH SUPPORT ASSY
(REF)
SECTION G-G
AFTER REWORK
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE
3G53316A93831
RH SUPPORT ASSY
(REF)
INSTALL:
MS21069L08 ANCHOR NUT
MS20426AD3 RIVET (2 OFF)
(TYP 2 PLACES)
SECTION H-H
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE
REMOVE:
3G53316A94251 RH PLATE
REMOVE EXISTING
FASTNERS
3G53316A93831
RH SUPPORT ASSY
(REF)
SECTION G-G
BEFORE REWORK
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE
EXISTING CUT OUT
PREPARE INDICATED SURFACES
TO ENSURE GROUNDING CONTACT
NP
NEW CUT OUT
H
H
135°
TYP
122.5
7.0
7.0
5.0
47.0
119.5
108.5
3G53316A93831
RH SUPPORT ASSY
(REF)
SECTION G-G
REWORK DIMENSION
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE

Figure 4

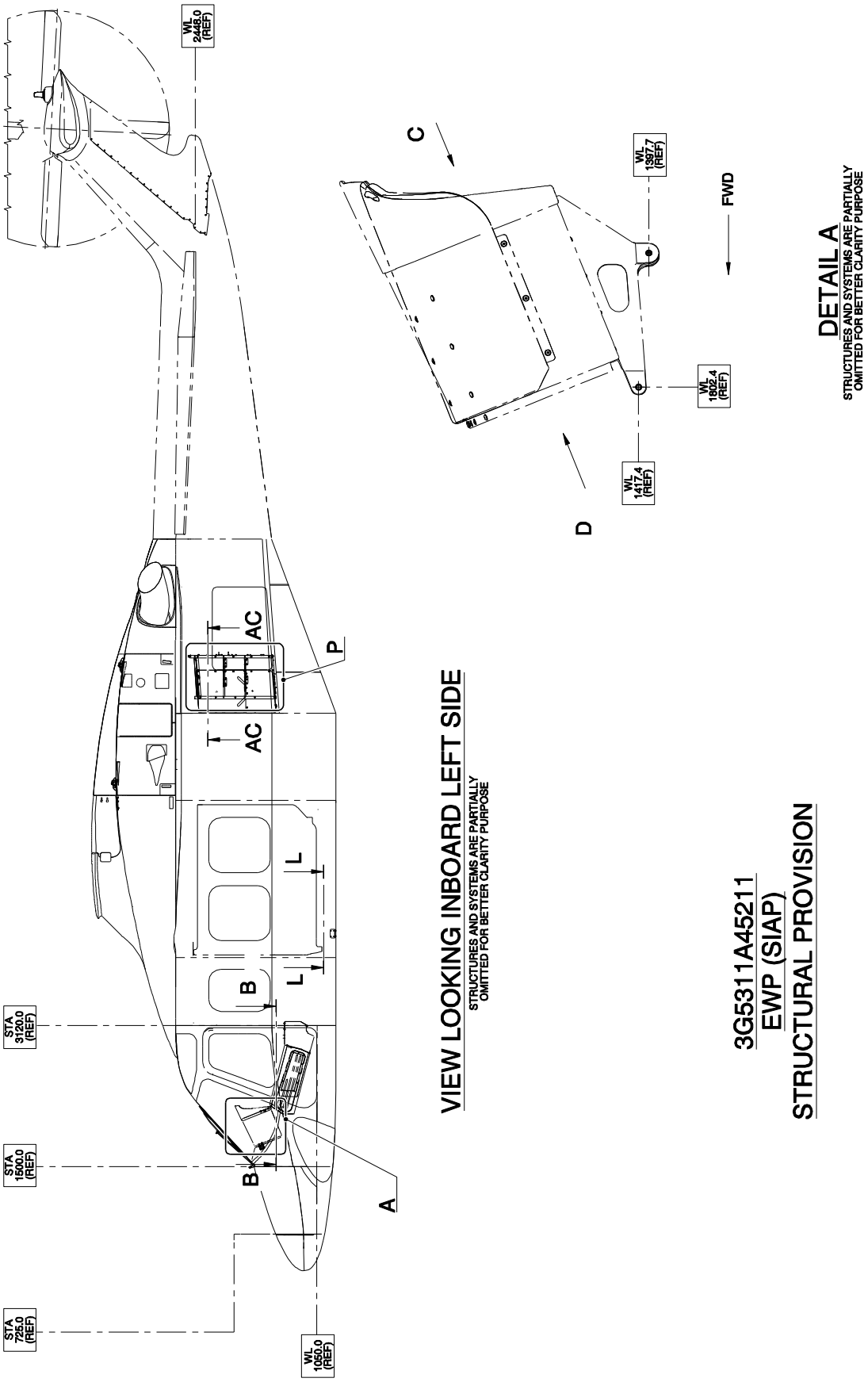

WL 2448.0 (REF)
STA 3120.0 (REF)
STA 1500.0 (REF)
STA 725.0 (REF)
WL 1050.0 (REF)
AC
AC
P
L
L
B
B
A
C
D
WL 1397.7 (REF)
WL 1282.4 (REF)
WL 1417.4 (REF)
FWD
DETAIL A
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
VIEW LOOKING INBOARD LEFT SIDE
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
3G5311A45211
EWP (SIAP)
STRUCTURAL PROVISION

Figure 5

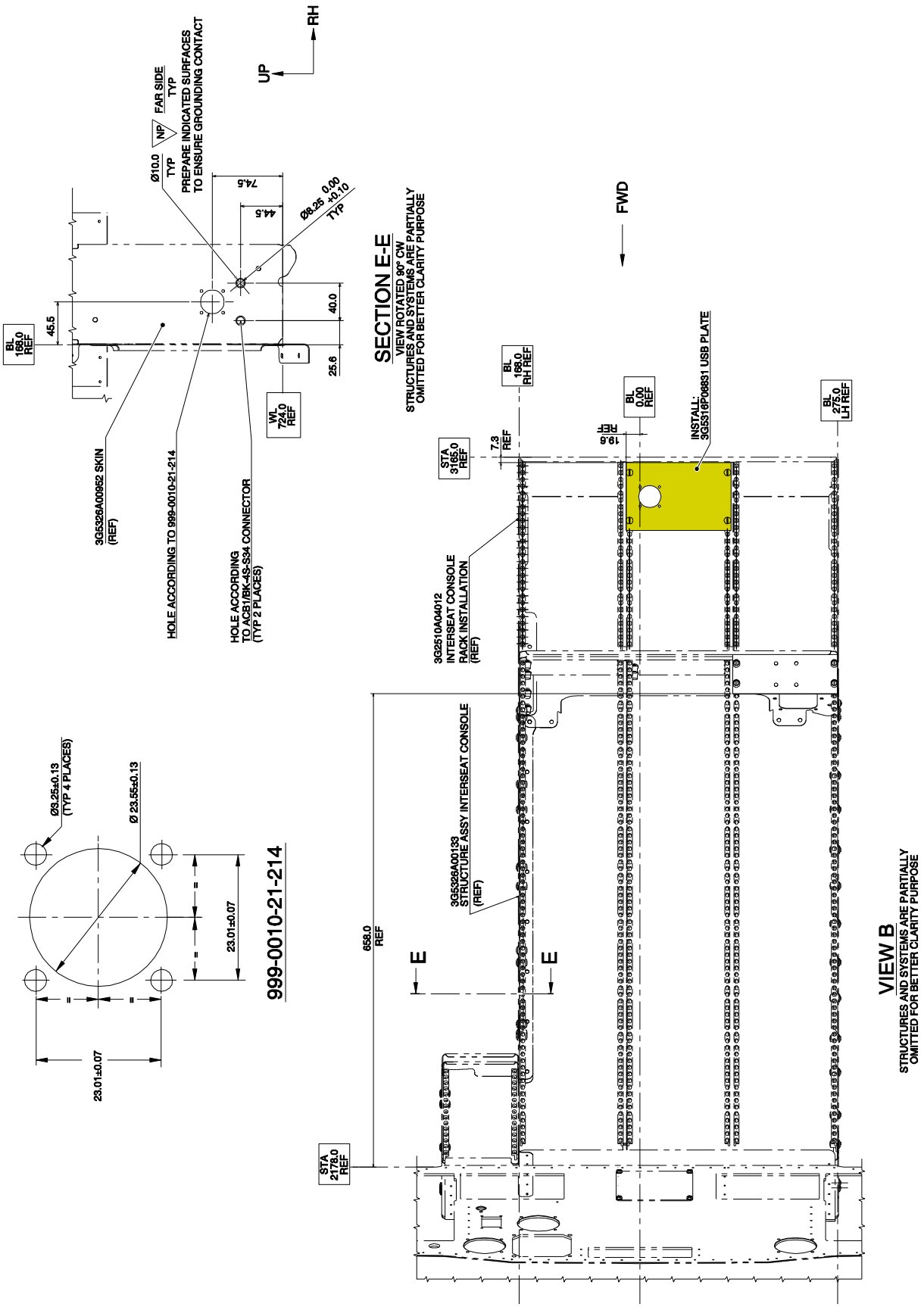
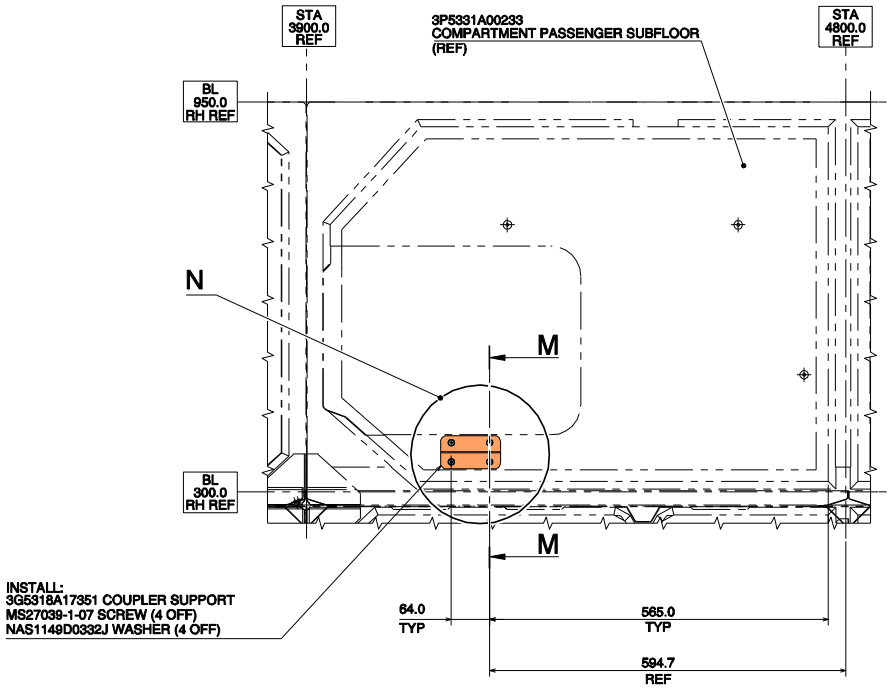
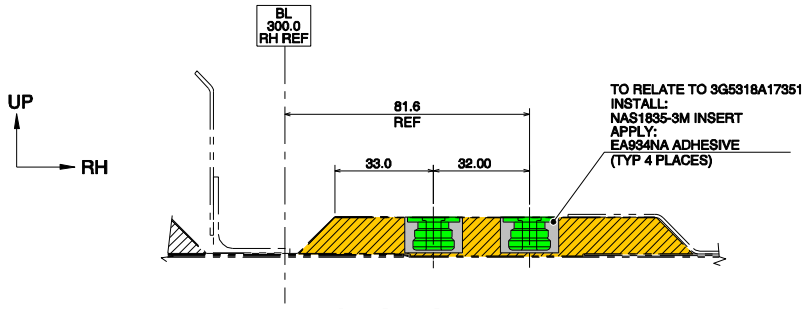

UP
RH
FAR SIDE TYP
PREPARE INDICATED SURFACES TO ENSURE GROUNDING CONTACT
Ø10.0 TYP
74.5
44.5
Ø8.25 0.00 +0.10 TYP
40.0
25.6
45.5
BL 168.0 REF
WL 724.0 REF
3G5326A00952 SKIN (REF)
HOLE ACCORDING TO 999-0010-21-214
HOLE ACCORDING TO ACB1/BK-4S-S34 CONNECTOR (TYP 2 PLACES)
SECTION E-E
VIEW ROTATED 90° CW
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
FWD
BL 168.0 RH REF
BL 0.00 REF
BL 275.0 LH REF
INSTALL: 3GS316P06831 USB PLATE
STA 3166.0 REF
7.3 REF
19.6 REF
3G2510A04012 INTERSEAT CONSOLE RACK INSTALLATION (REF)
3G5326A00133 STRUCTURE ASSY INTERSEAT CONSOLE (REF)
658.0 REF
E
E
STA 2178.0 REF
VIEW B
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
Ø3.25±0.13 (TYP 4 PLACES)
Ø 23.55±0.13
23.01±0.07
23.01±0.07
999-0010-21-214

Figure 6



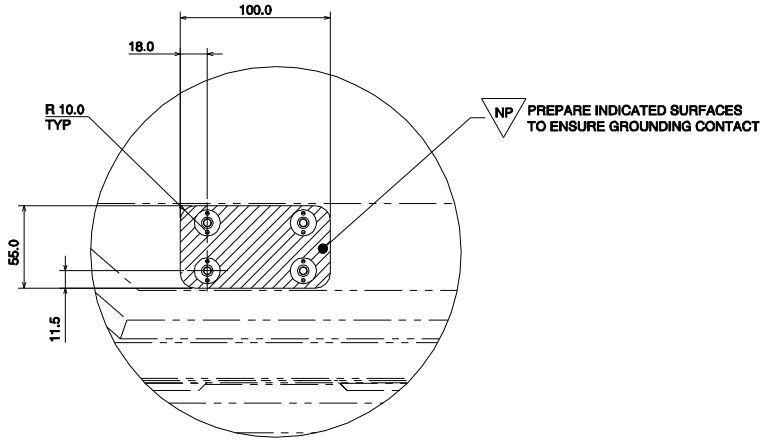
SECTION L-L

STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE



SECTION M-M

VIEW ROTATED 90° CW
3G5318A17351, STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE



DETAIL N

STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE

Figure 7

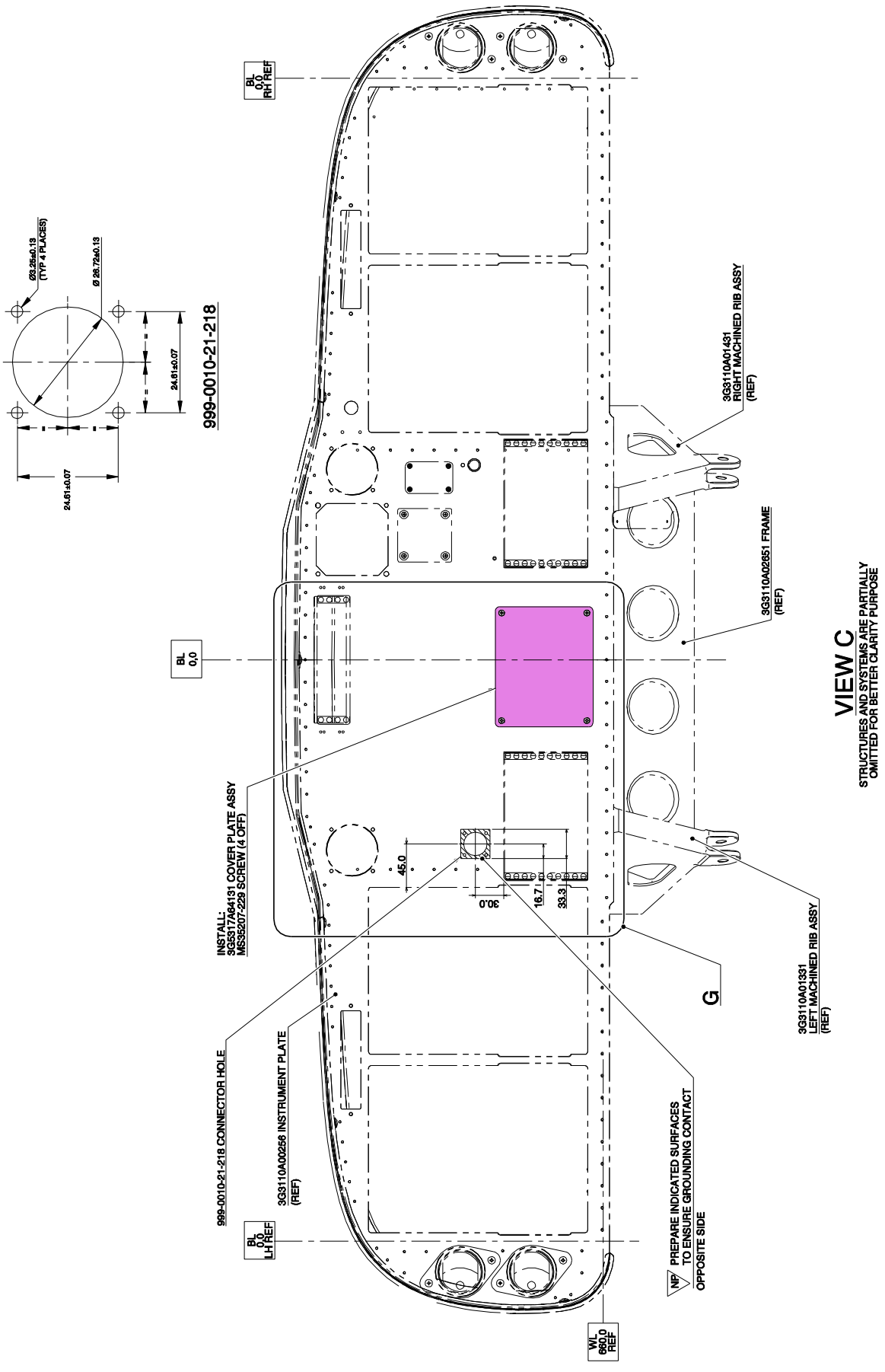

999-0010-21-218
Ø3.25±0.13
(TYP 4 PLACES)
Ø 28.72±0.13
24.61±0.07
24.61±0.07
BL 0,0 RH REF
BL 0,0
BL 0,0 LH REF
WL 860.0 REF
3G3110A01431
RIGHT MACHINED RIB ASSY
(REF)
3G3110A02651 FRAME
(REF)
3G3110A01331
LEFT MACHINED RIB ASSY
(REF)
INSTALL:
3G5317A64131 COVER PLATE ASSY
MS35207-229 SCREW (4 OFF)
45.0
30.0
16.7
33.3
G
999-0010-21-218 CONNECTOR HOLE
3G3110A00258 INSTRUMENT PLATE
(REF)
PREPARE INDICATED SURFACES
TO ENSURE GROUNDING CONTACT
OPPOSITE SIDE
VIEW C
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE

Figure 8

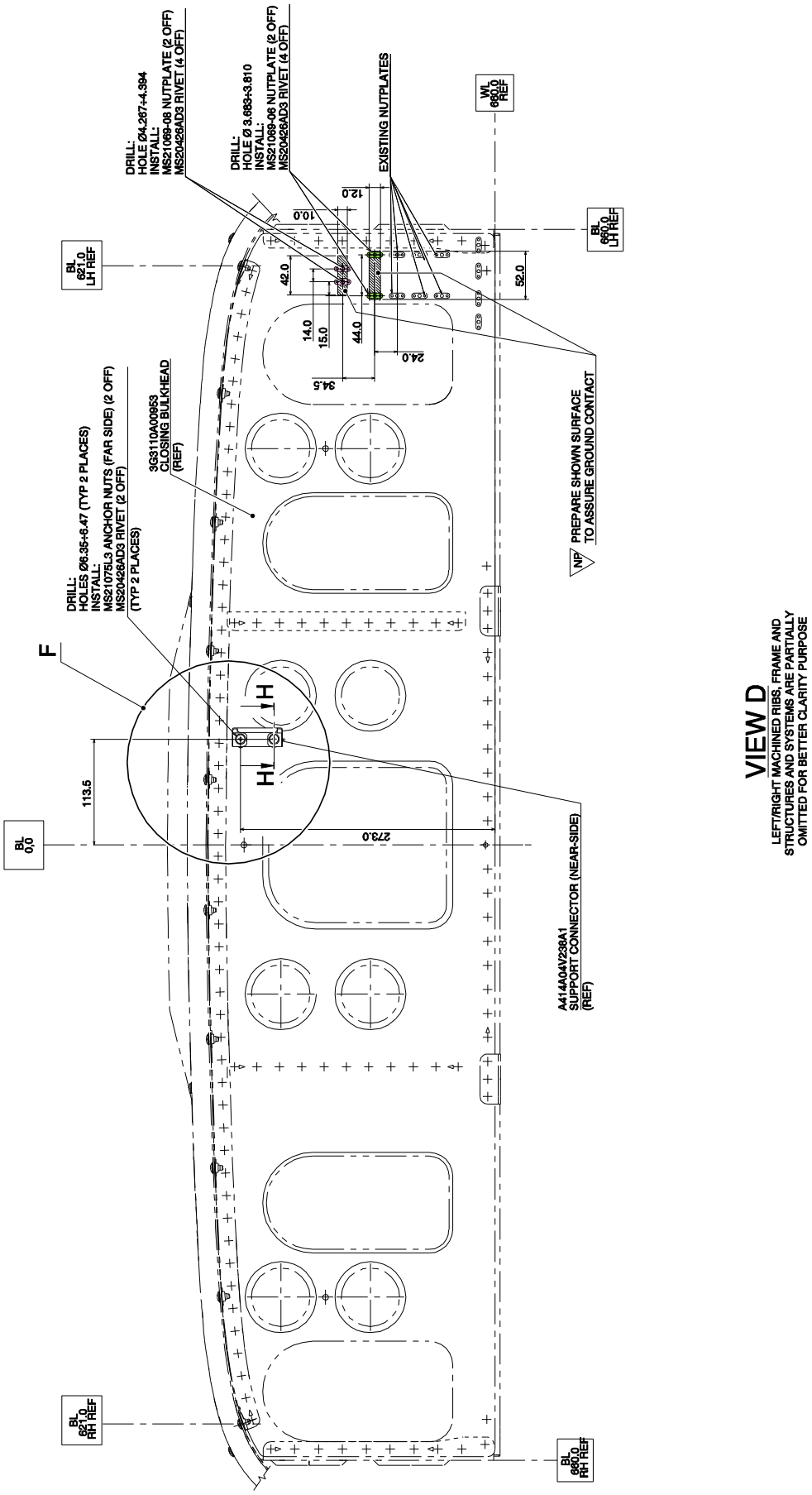
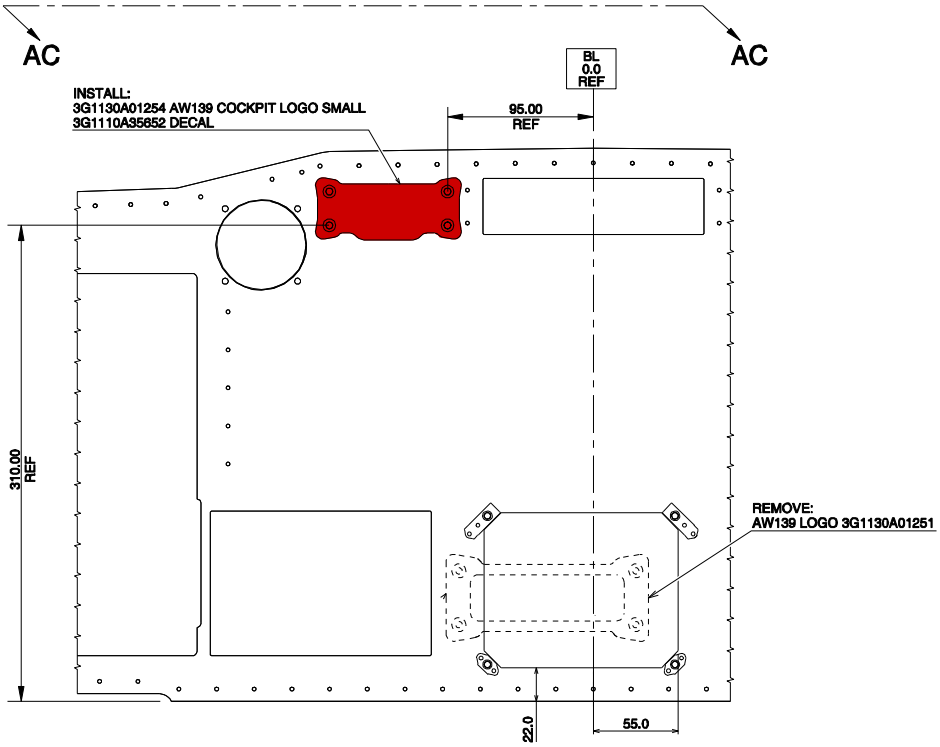
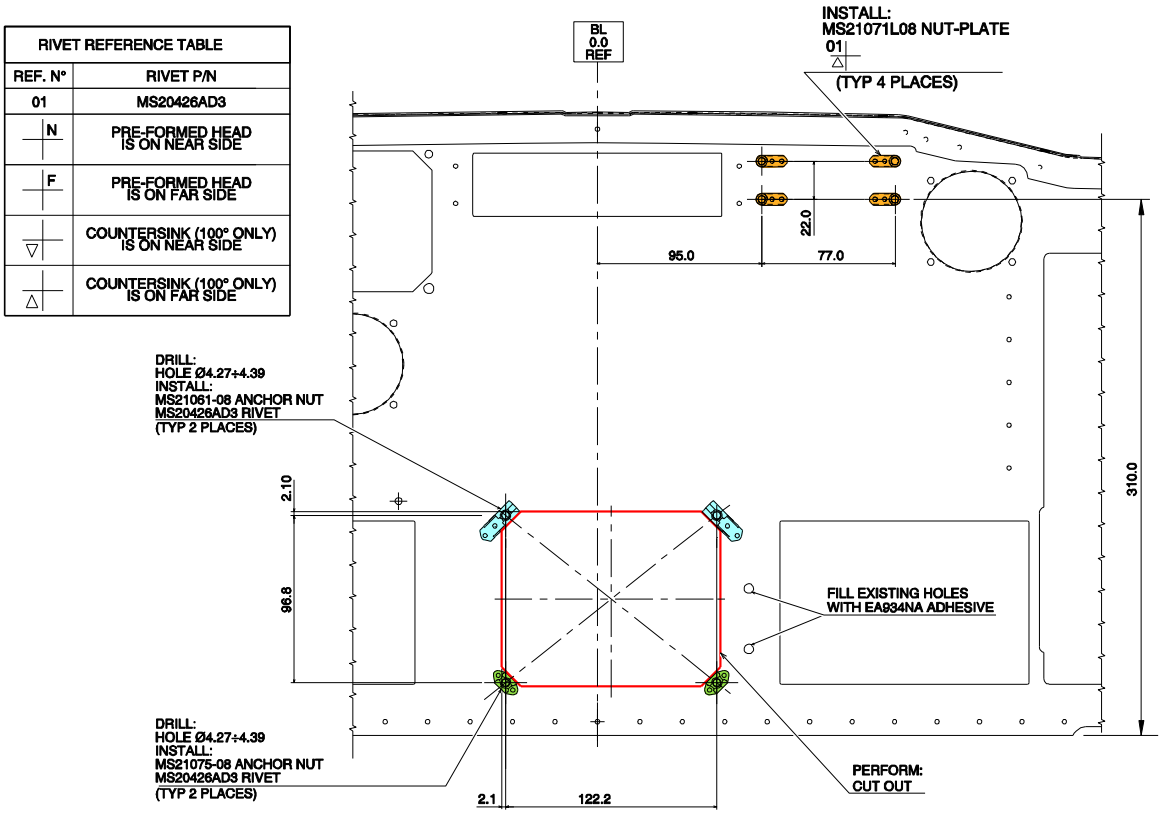

DRILL:
HOLE Ø4.267÷4.394
INSTALL:
MS21069-08 NUTPLATE (2 OFF)
MS20426AD3 RIVET (4 OFF)
DRILL:
HOLE Ø 3.683÷3.810
INSTALL:
MS21069-06 NUTPLATE (2 OFF)
MS20426AD3 RIVET (4 OFF)
EXISTING NUTPLATES
WL 660.0 REF
BL 621.0 LH REF
BL 660.0 LH REF
12.0
10.0
42.0
52.0
14.0
15.0
44.0
24.0
34.5
3G3110A00953
CLOSING BULKHEAD
(REF)
DRILL:
HOLES Ø6.35÷6.47 (TYP 2 PLACES)
INSTALL:
MS21075L3 ANCHOR NUTS (FAR SIDE) (2 OFF)
MS20426AD3 RIVET (2 OFF)
(TYP 2 PLACES)
NP
PREPARE SHOWN SURFACE
TO ASSURE GROUND CONTACT
F
H
H
113.5
273.0
BL 0.0
A414A04V238A1
SUPPORT CONNECTOR (NEAR-SIDE)
(REF)
BL 621.0 RH REF
BL 660.0 RH REF
VIEW D
LEFT/RIGHT MACHINED RIBS, FRAME AND
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE

Figure 9



DETAIL G

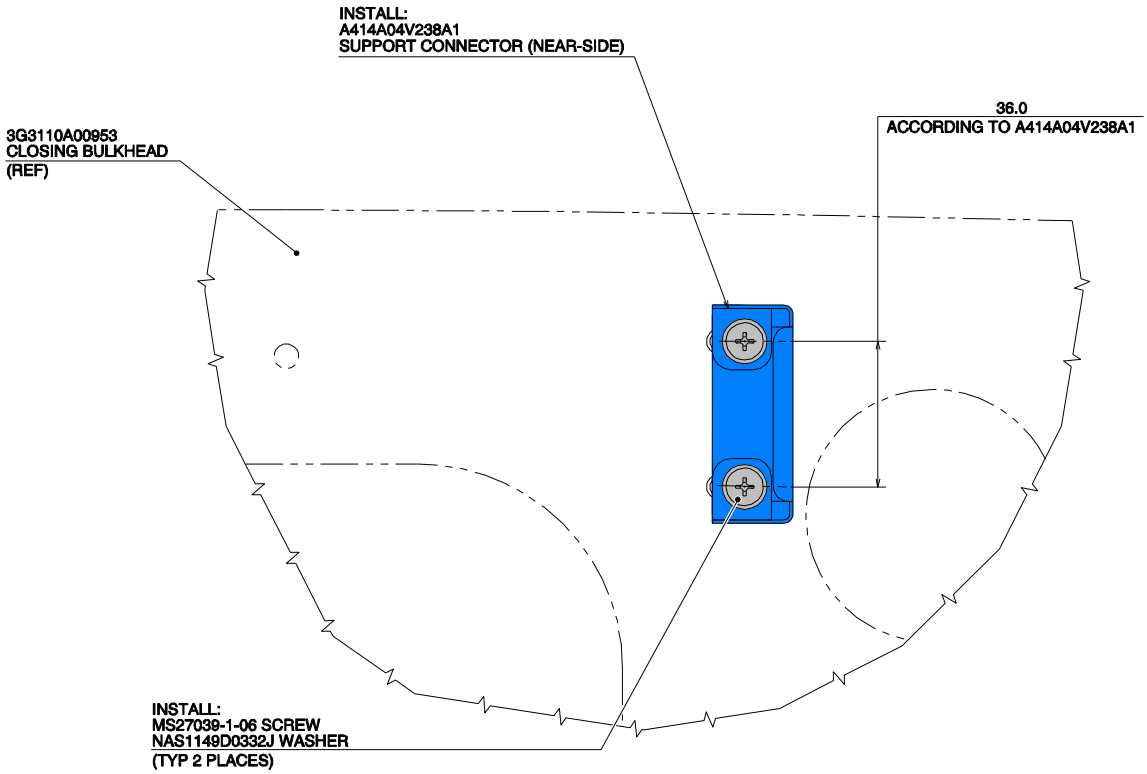
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE



VIEW AC-AC

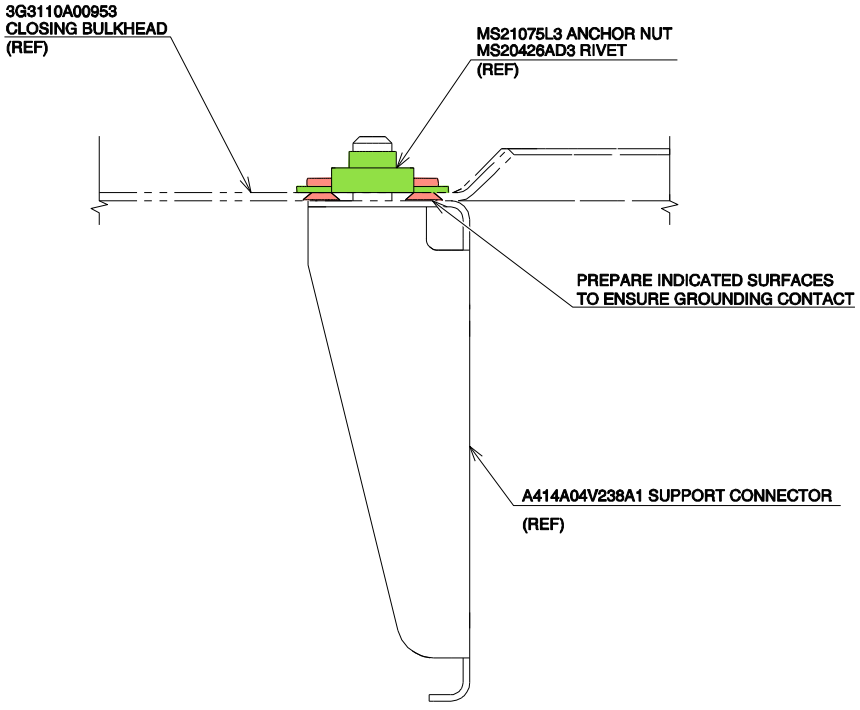
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE

Figure 10



DETAIL F

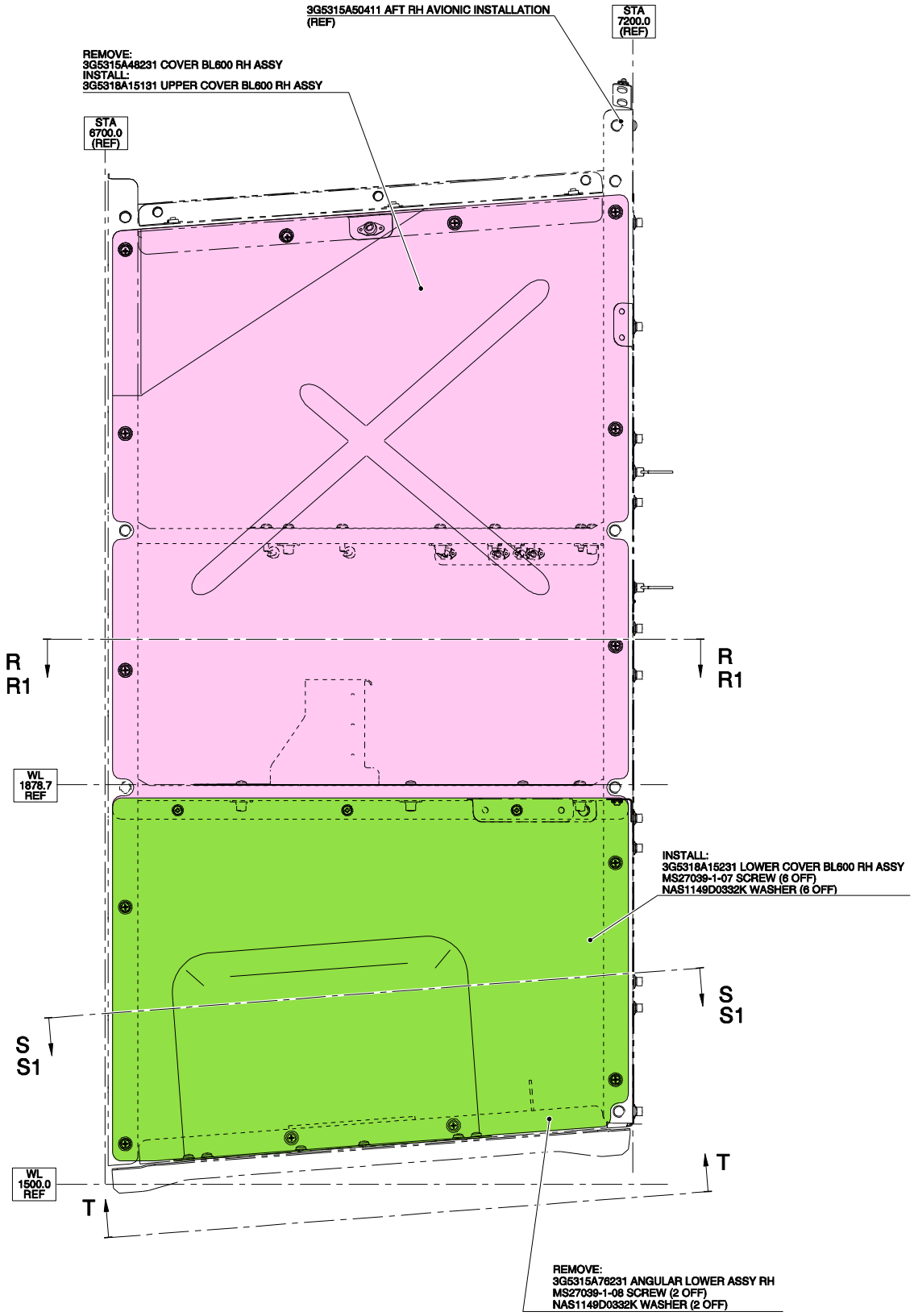
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE



SECTION H-H

STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

Figure 11



DETAIL P

STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

Figure 12

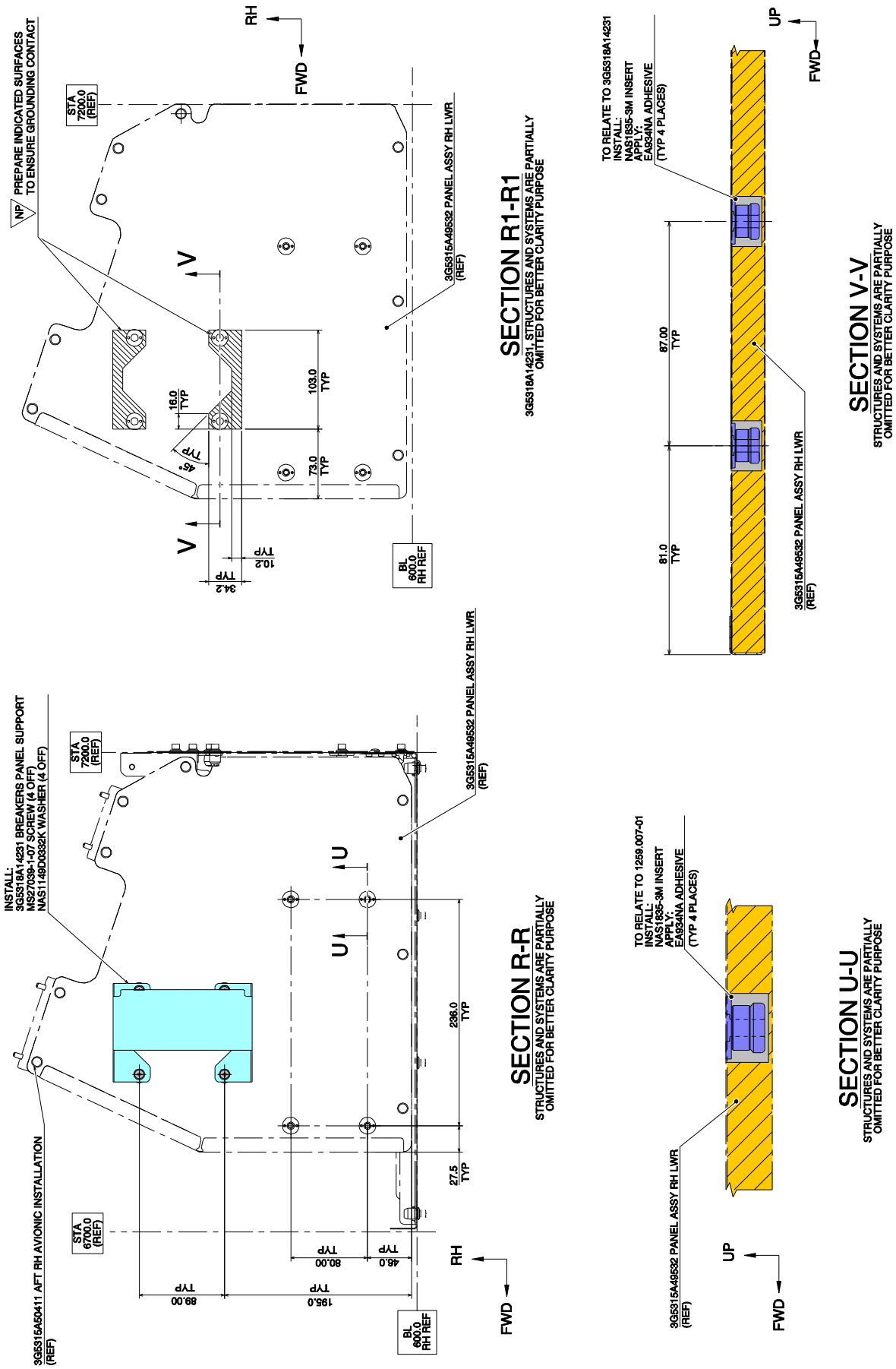

NP PREPARE INDICATED SURFACES TO ENSURE GROUNDING CONTACT
STA 7200.0 (REF)
RH
FWD
V
V
16.0 TYP
103.0 TYP
73.0 TYP
45° TYP
10.2 TYP
34.2 TYP
3G5315A49532 PANEL ASSY RH LWR (REF)
BL 600.0 RH REF
SECTION R1-R1
3G5318A14231, STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
TO RELATE TO 3G5318A14231 INSTALL: NAS1635-3M INSERT APPLY: EA934NA ADHESIVE (TYP 4 PLACES)
UP
FWD
87.00 TYP
81.0 TYP
3G5315A49532 PANEL ASSY RH LWR (REF)
SECTION V-V
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
INSTALL: 3G5318A14231 BREAKERS PANEL SUPPORT MS27039-1-07 SCREW (4 OFF) NAS1149D0332K WASHER (4 OFF)
STA 7200.0 (REF)
3G5315A49532 PANEL ASSY RH LWR (REF)
U
U
236.0 TYP
27.5 TYP
STA 6700.0 (REF)
80.00 TYP
46.0 TYP
89.00 TYP
195.0 TYP
3G5315A50411 AFT RH AVIONIC INSTALLATION (REF)
RH
FWD
BL 600.0 RH REF
SECTION R-R
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
TO RELATE TO 1259.007-01 INSTALL: NAS1635-3M INSERT APPLY: EA934NA ADHESIVE (TYP 4 PLACES)
3G5315A49532 PANEL ASSY RH LWR (REF)
UP
FWD
SECTION U-U
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

Figure 13

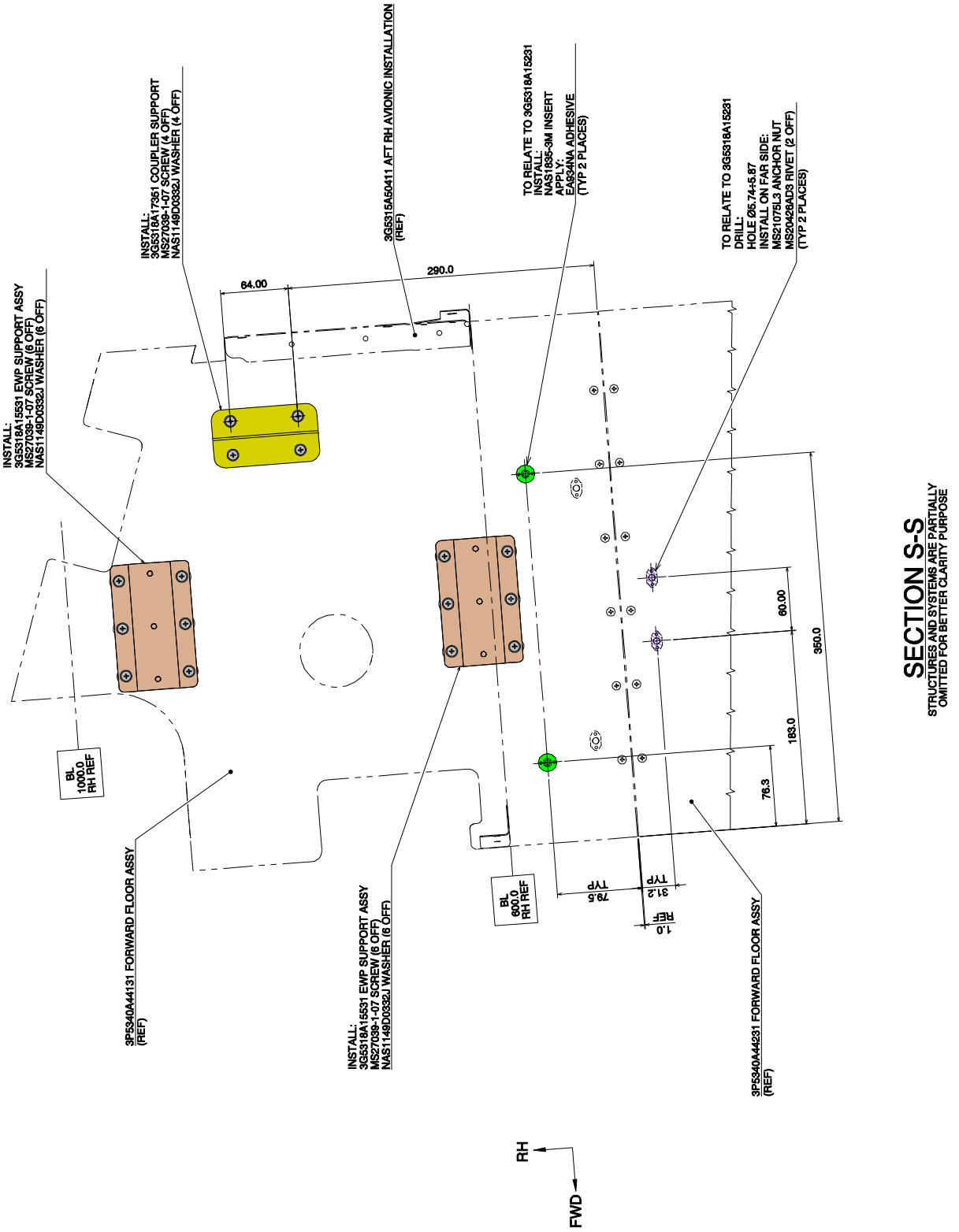

SECTION S-S
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
INSTALL:
3G5318A15531 EWP SUPPORT ASSY
MS27039-1-07 SCREW (6 OFF)
NAS1149D0332J WASHER (6 OFF)
INSTALL:
3G5318A17351 COUPLER SUPPORT
MS27039-1-07 SCREW (4 OFF)
NAS1149D0332J WASHER (4 OFF)
3G5315A50411 AFT RH AVIONIC INSTALLATION (REF)
TO RELATE TO 3G5318A15231
INSTALL:
NAS1835-3M INSERT
APPLY:
EA934NA ADHESIVE
(TYP 2 PLACES)
TO RELATE TO 3G5318A15231
DRILL:
HOLE Ø5.74+5.87
INSTALL ON FAR SIDE:
MS21075L3 ANCHOR NUT
MS20426AD3 RIVET (2 OFF)
(TYP 2 PLACES)
64.00
290.0
60.00
350.0
183.0
76.3
79.5 TYP
31.2 TYP
1.0 REF
BL 1000.0 RH REF
BL 600.0 RH REF
3P5340A44131 FORWARD FLOOR ASSY (REF)
INSTALL:
3G5318A15531 EWP SUPPORT ASSY
MS27039-1-07 SCREW (6 OFF)
NAS1149D0332J WASHER (6 OFF)
3P5340A44231 FORWARD FLOOR ASSY (REF)
RH
FWD

Figure 14

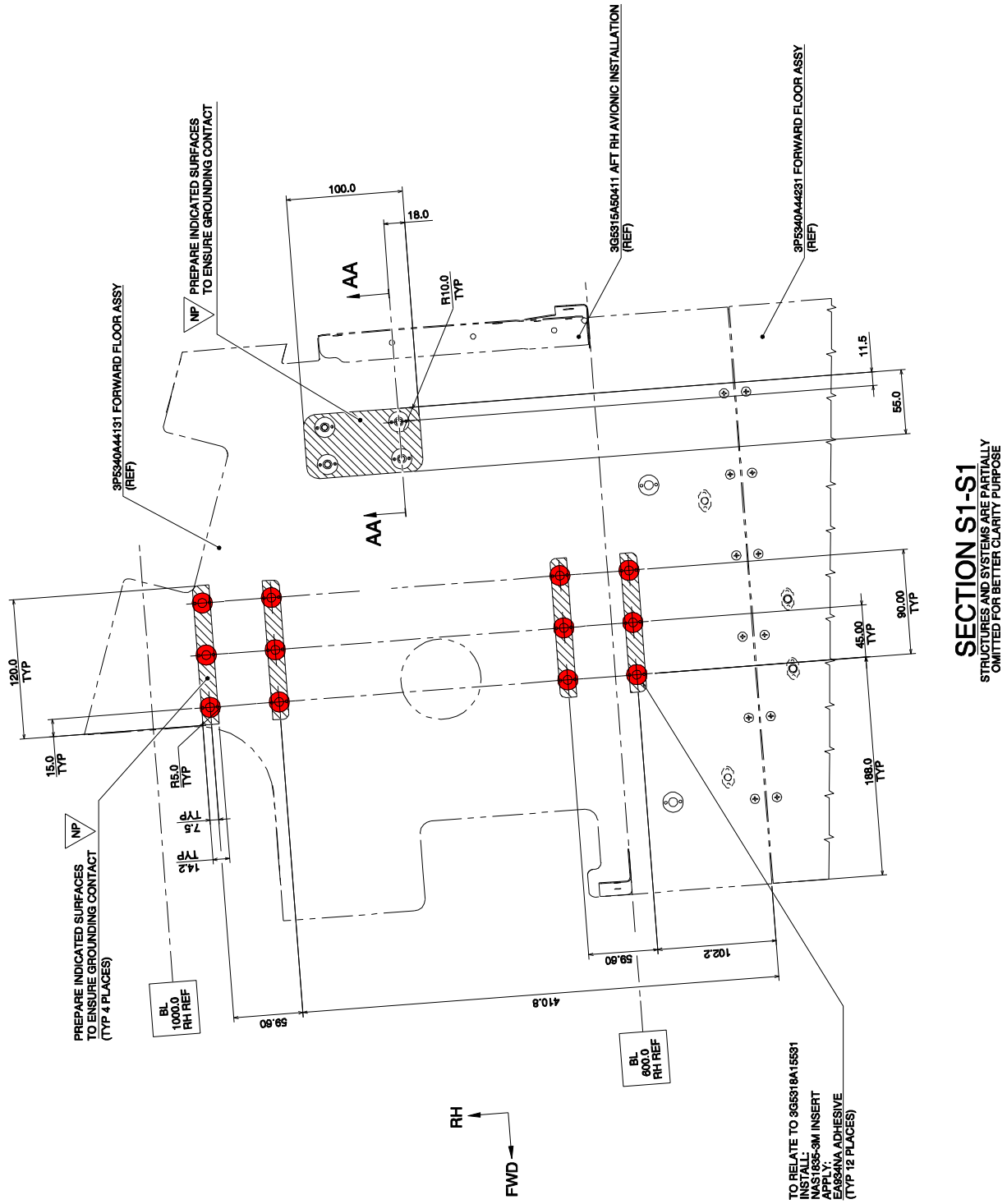

SECTION S1-S1
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
3G5315A50411 AFT RH AVIONIC INSTALLATION (REF)
3P5340A44231 FORWARD FLOOR ASSY (REF)
3P5340A44131 FORWARD FLOOR ASSY (REF)
PREPARE INDICATED SURFACES TO ENSURE GROUNDING CONTACT
PREPARE INDICATED SURFACES TO ENSURE GROUNDING CONTACT (TYP 4 PLACES)
NP
AA
100.0
18.0
R10.0 TYP
11.5
55.0
120.0 TYP
15.0 TYP
R5.0 TYP
7.5 TYP
14.2 TYP
45.00 TYP
90.00 TYP
188.0 TYP
59.60
102.2
410.8
BL 1000.0 RH REF
BL 600.0 RH REF
RH
FWD
TO RELATE TO 3G5316A15531
INSTALL:
NAS1635-3M INSERT
APPLY:
EA934NA ADHESIVE
(TYP 12 PLACES)

Figure 15

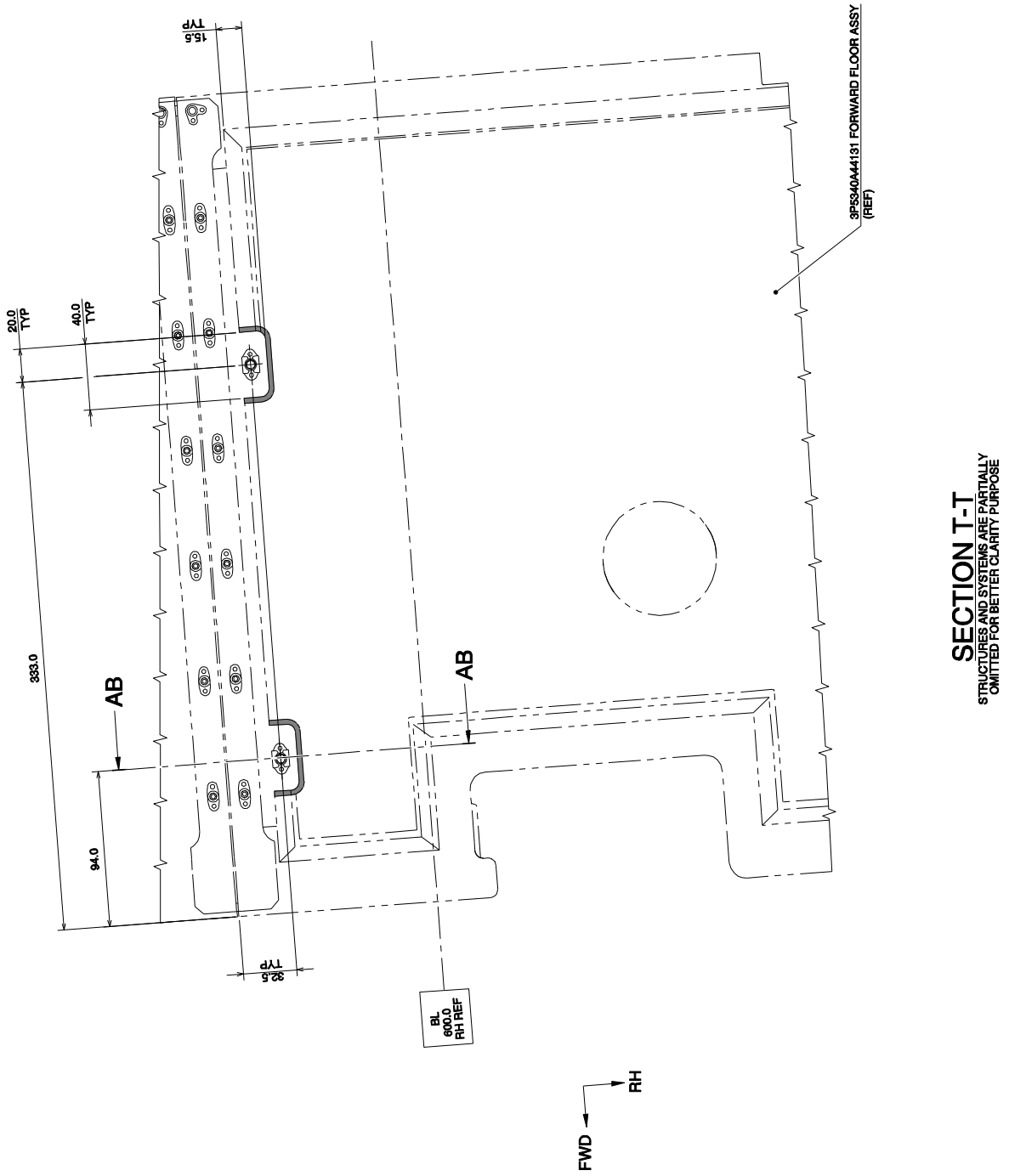
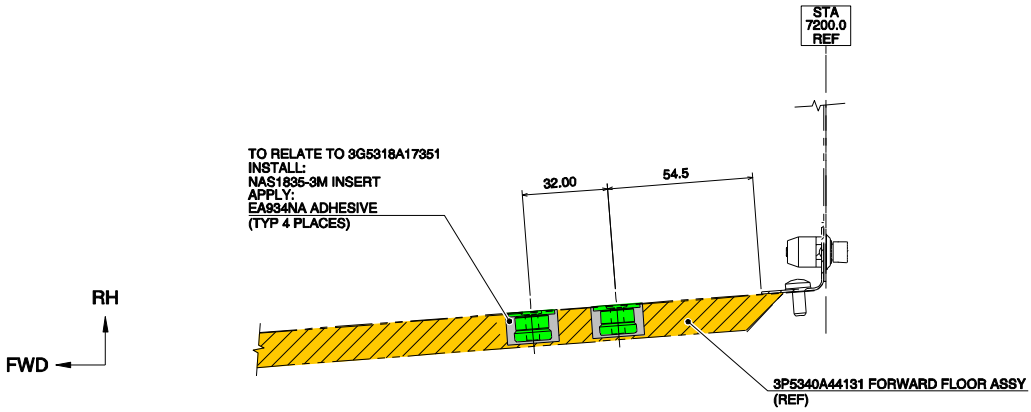
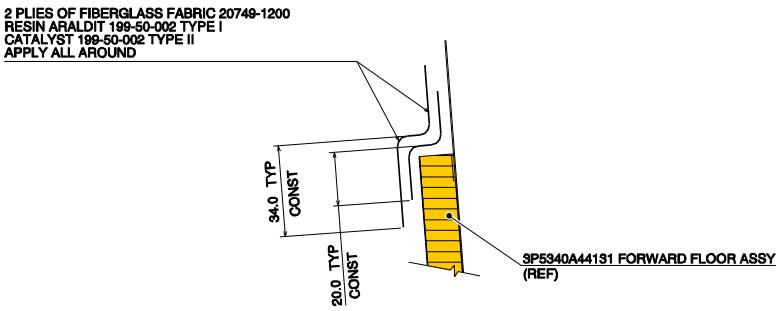

15.5 TYP
3P5340A44131 FORWARD FLOOR ASSY (REF)
20.0 TYP
40.0 TYP
333.0
AB
AB
94.0
32.5 TYP
BL 600.0 RH REF
RH
FWD
SECTION T-T
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

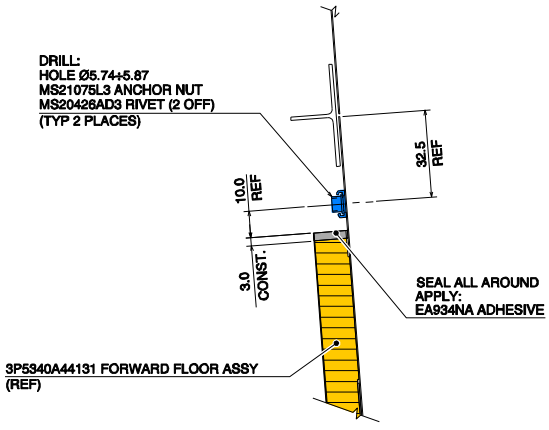
Figure 16



SECTION AA-AA
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE



SCHEMATIC SECTION AB-AB
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE



SECTION AB-AB
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

Figure 17

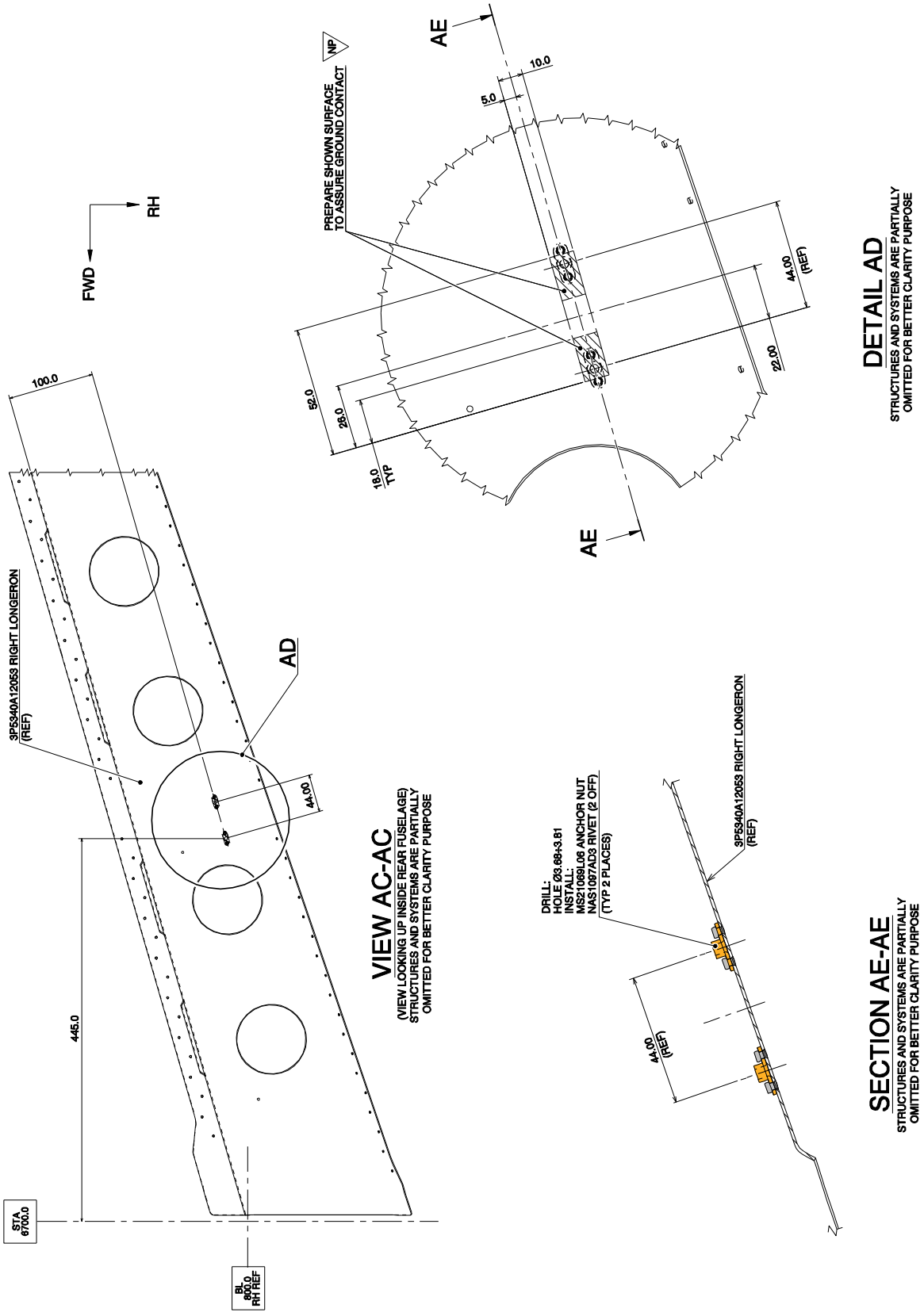

FWD
RH
AE
NP
PREPARE SHOWN SURFACE
TO ASSURE GROUND CONTACT
10.0
5.0
44.00
(REF)
22.00
52.0
26.0
18.0
TYP
AE
DETAIL AD
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE
100.0
3P5340A12053 RIGHT LONGERON
(REF)
AD
44.00
445.0
STA
6700.0
BL
600.0
RH REF
VIEW AC-AC
(VIEW LOOKING UP INSIDE REAR FUSELAGE)
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE
DRILL:
HOLE Ø3.68+3.81
INSTALL:
MS21069L06 ANCHOR NUT
NAS1097AD3 RIVET (2 OFF)
(TYP 2 PLACES)
3P5340A12053 RIGHT LONGERON
(REF)
44.00
(REF)
SECTION AE-AE
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE

Figure 18

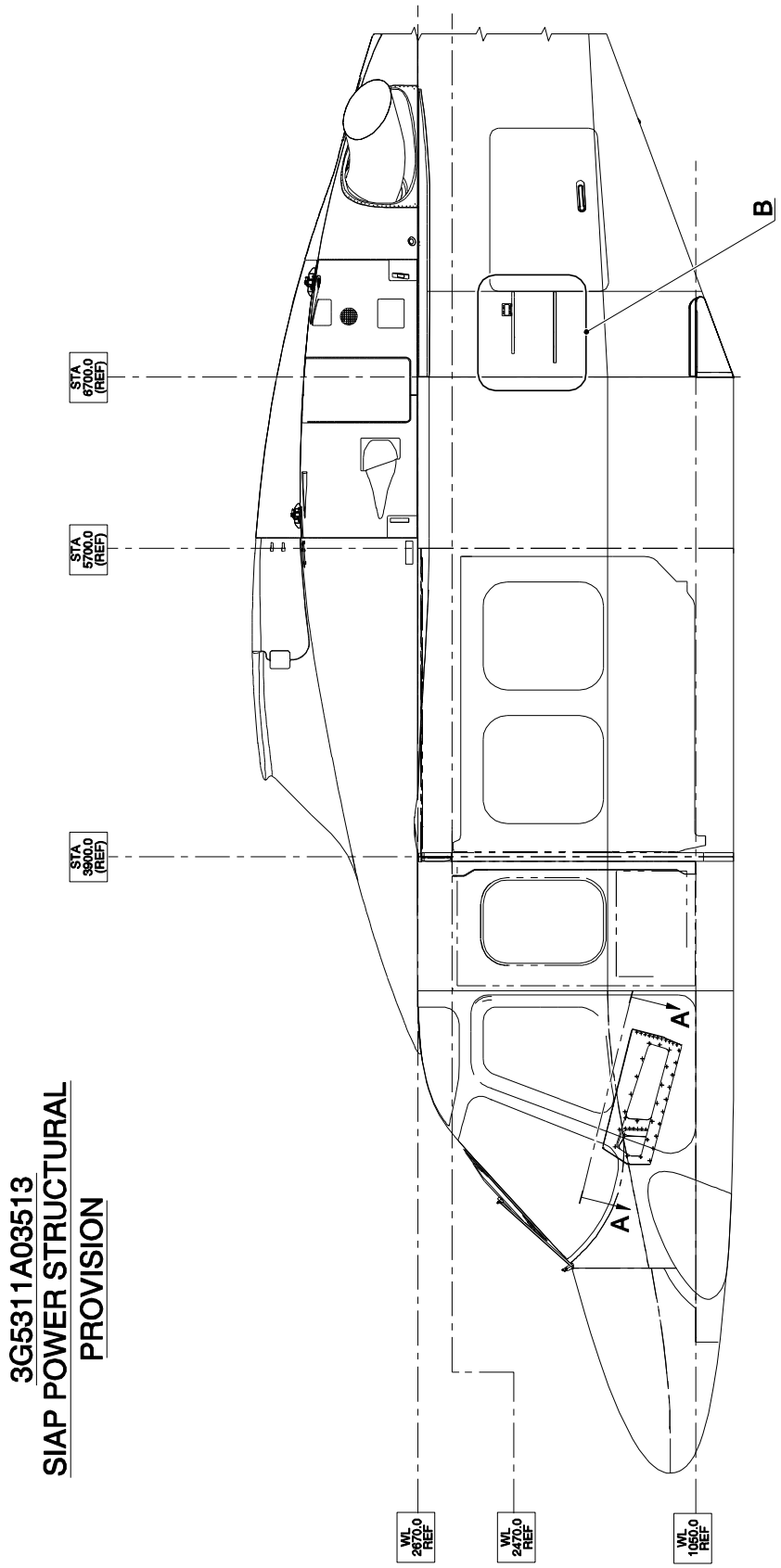

B
STA 6700.0 (REF)
STA 5700.0 (REF)
STA 3900.0 (REF)
A
A
WL 2670.0 REF
WL 2470.0 REF
WL 1050.0 REF
VIEW LOOKING INBOARD LEFT SIDE
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
3G5311A03513
SIAP POWER STRUCTURAL PROVISION

Figure 19

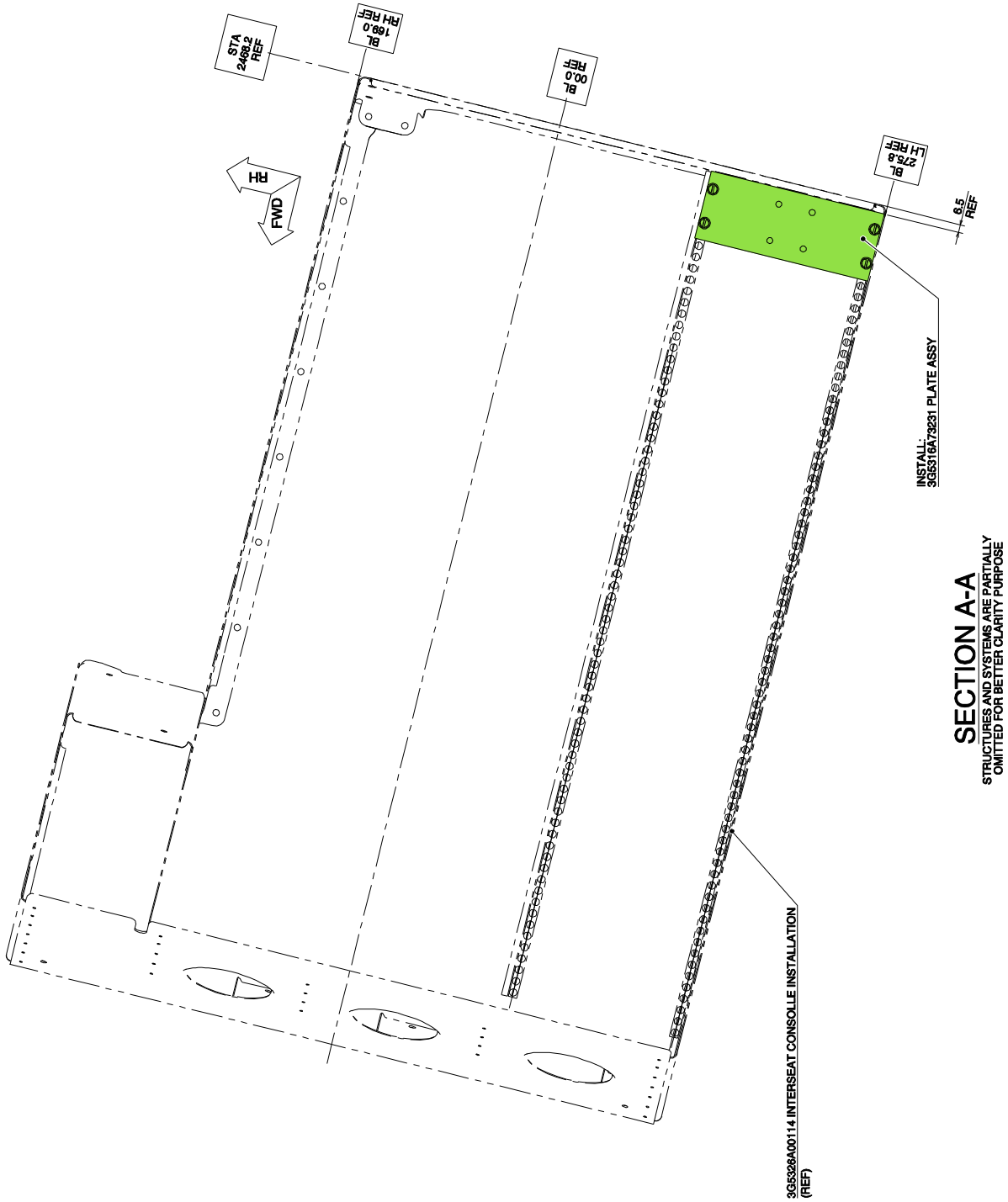
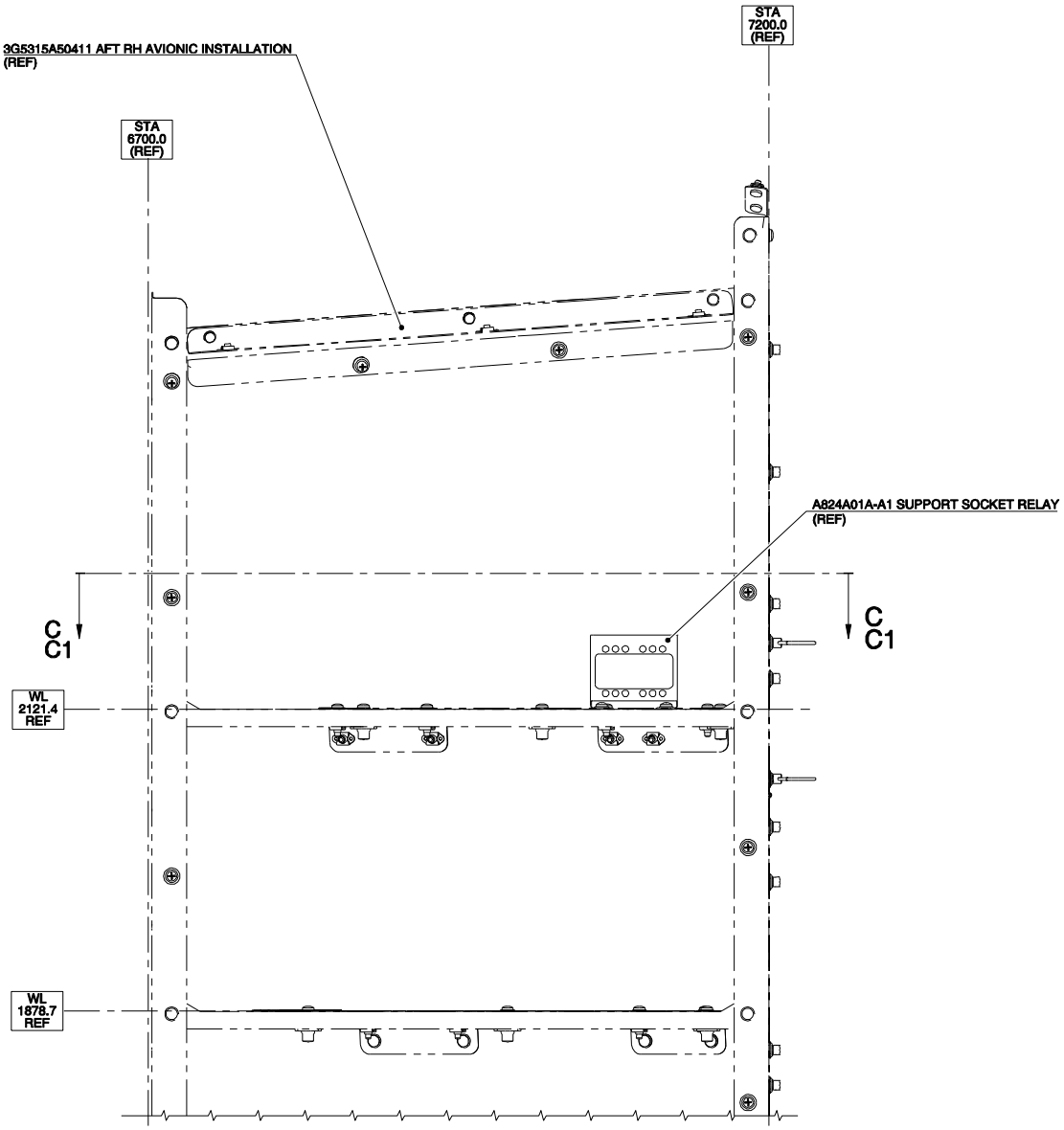

STA 2498.2 REF
BL 189.0 RH REF
BL 00.0 REF
BL 278.8 LH REF
8.5 REF
RH
FWD
INSTALL:
3G5316A73231 PLATE ASSY
3G5328A00114 INTERSEAT CONSOLLE INSTALLATION (REF)
SECTION A-A
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

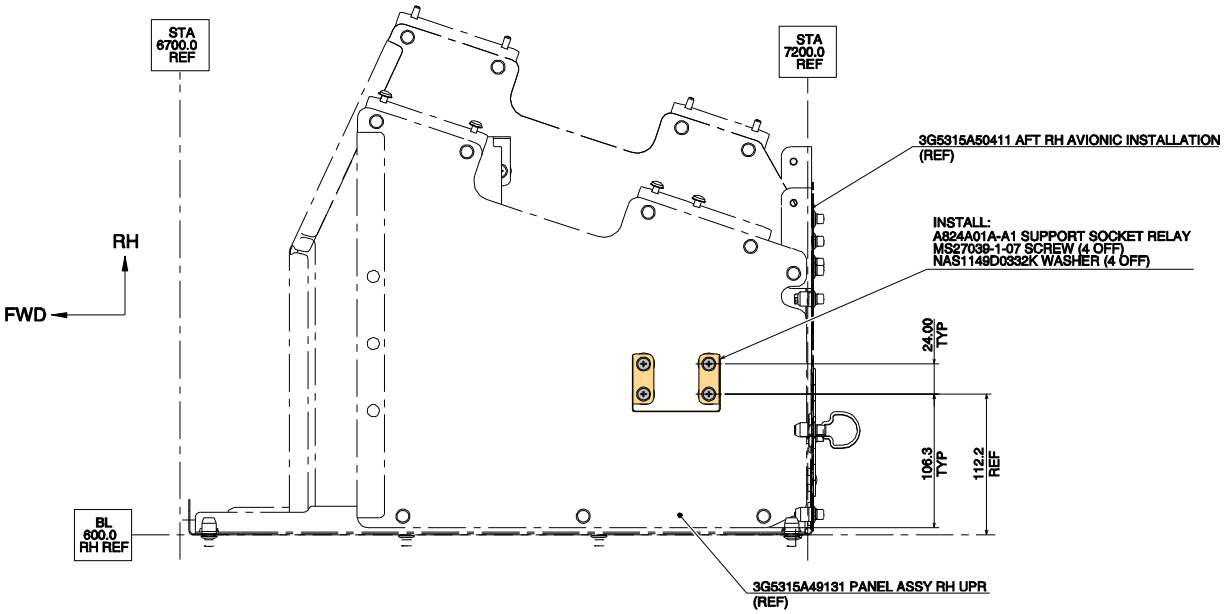
Figure 20



DETAIL B

STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE

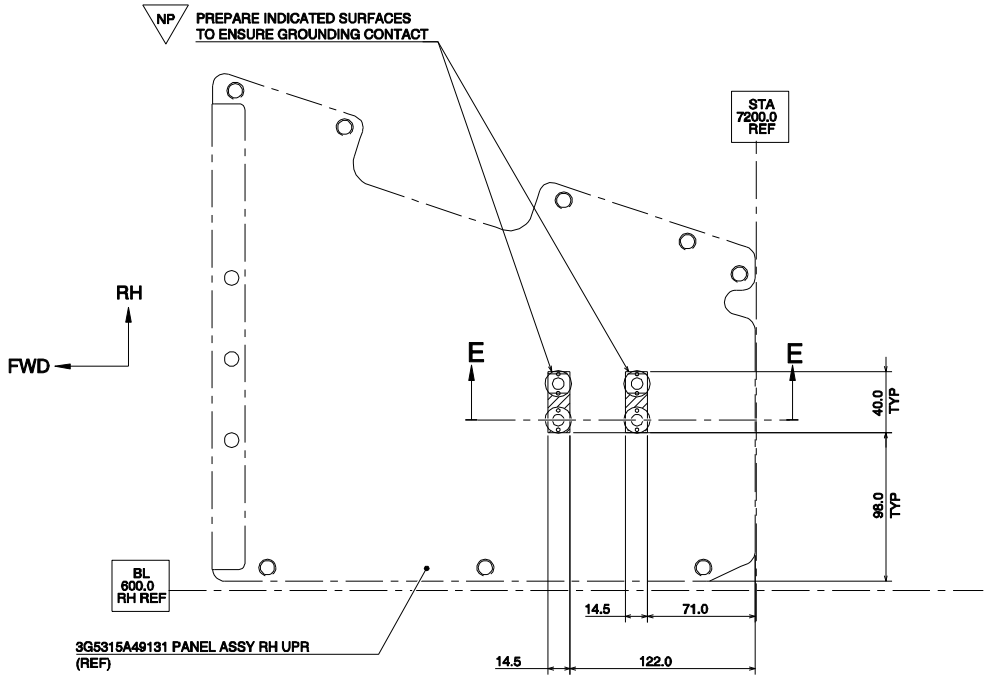
Figure 21



SECTION C-C

STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

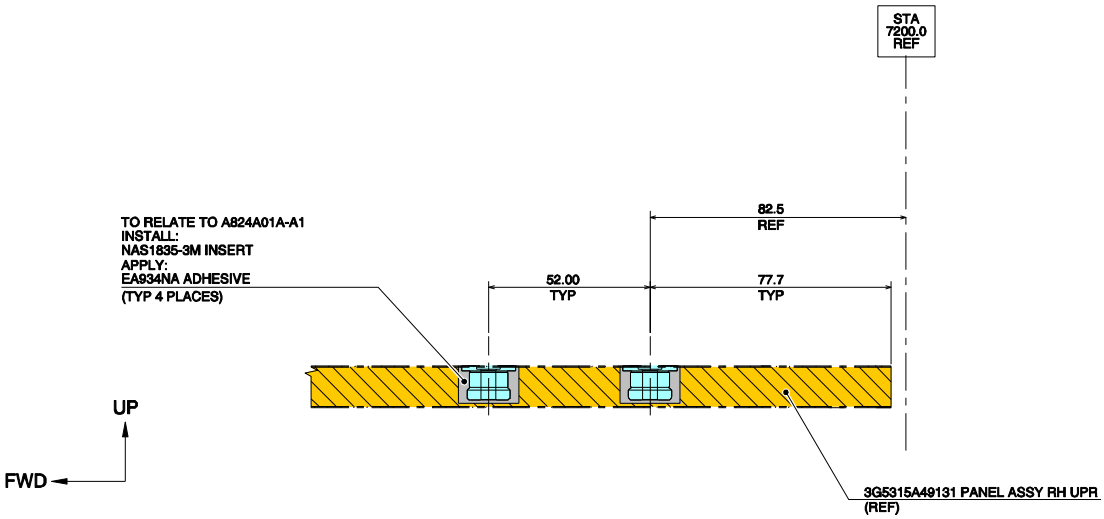
Figure 22



SECTION C1-C1

A824A01A-A1, STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

Figure 23



SECTION E-E

STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE

Figure 24

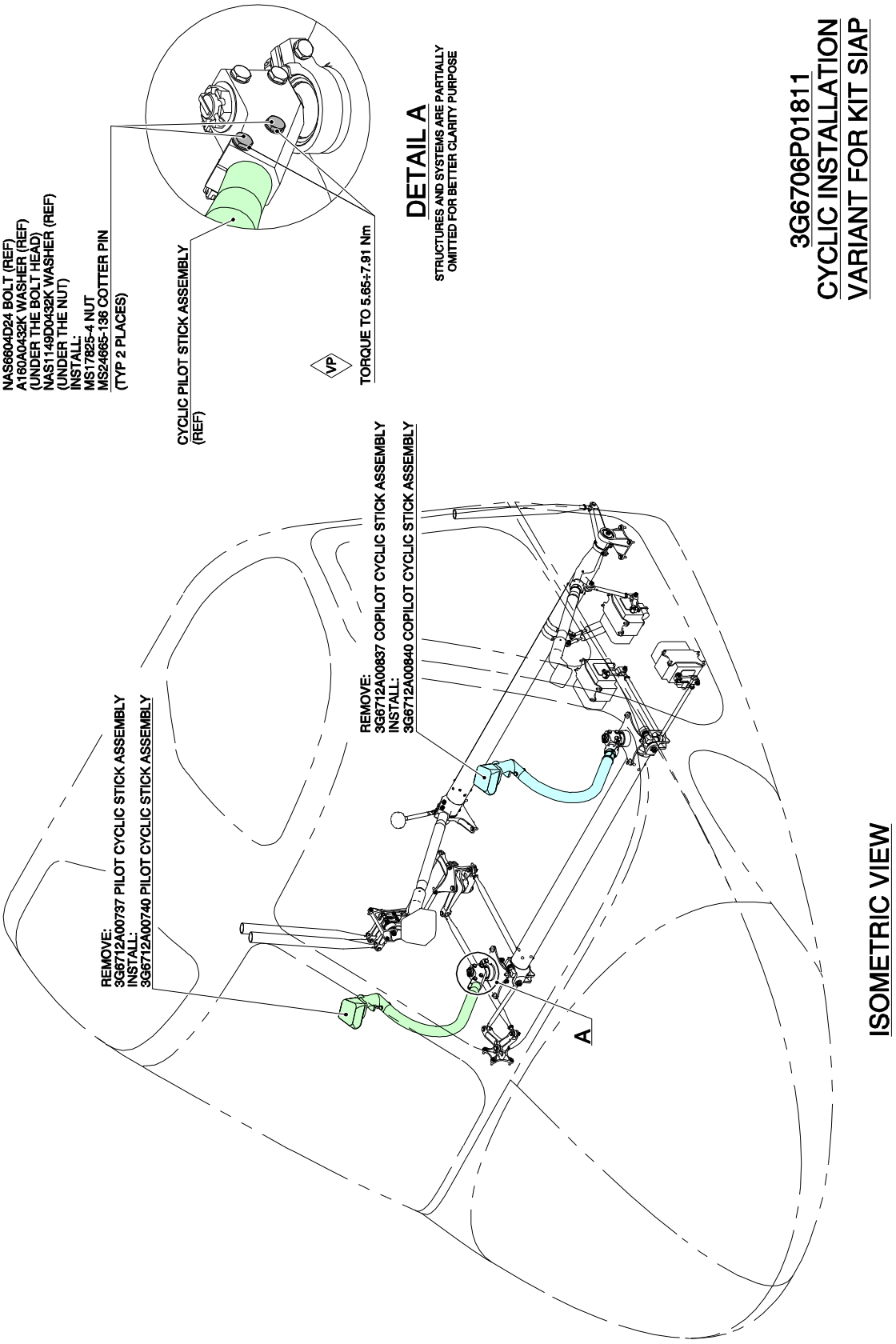

3G6706P01811
CYCLIC INSTALLATION
VARIANT FOR KIT SIAP
DETAIL A
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
NAS6604D24 BOLT (REF)
A160A0432K WASHER (REF)
(UNDER THE BOLT HEAD)
NAS1149D0432K WASHER (REF)
(UNDER THE NUT)
INSTALL:
MS17825-4 NUT
MS24665-136 COTTER PIN
(TYP 2 PLACES)
CYCLIC PILOT STICK ASSEMBLY
(REF)
VP
TORQUE TO 5.65÷7.91 Nm
REMOVE:
3G6712A00837 COPILOT CYCLIC STICK ASSEMBLY
INSTALL:
3G6712A00840 COPILOT CYCLIC STICK ASSEMBLY
REMOVE:
3G6712A00737 PILOT CYCLIC STICK ASSEMBLY
INSTALL:
3G6712A00740 PILOT CYCLIC STICK ASSEMBLY
A
ISOMETRIC VIEW

Figure 25

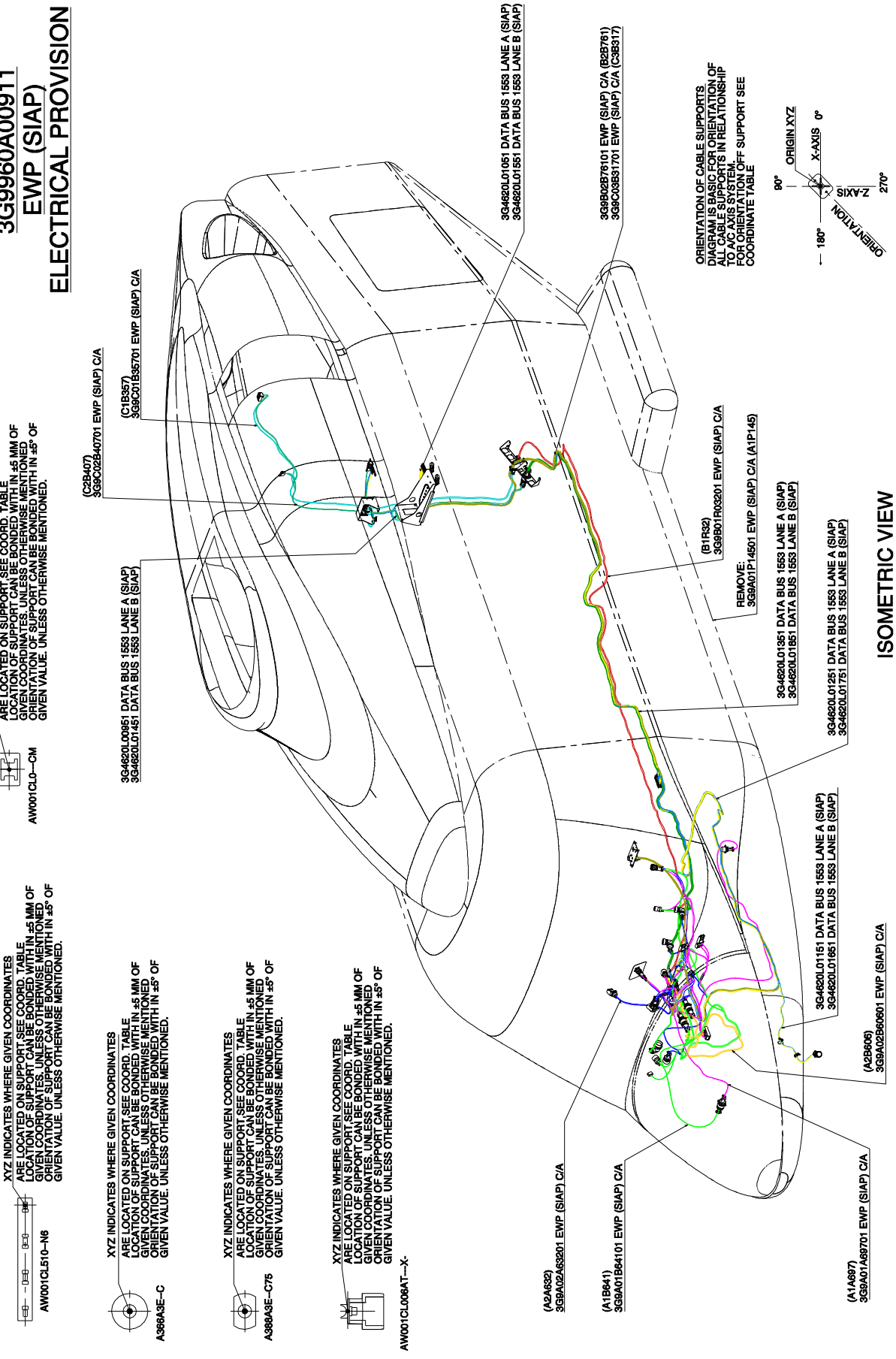
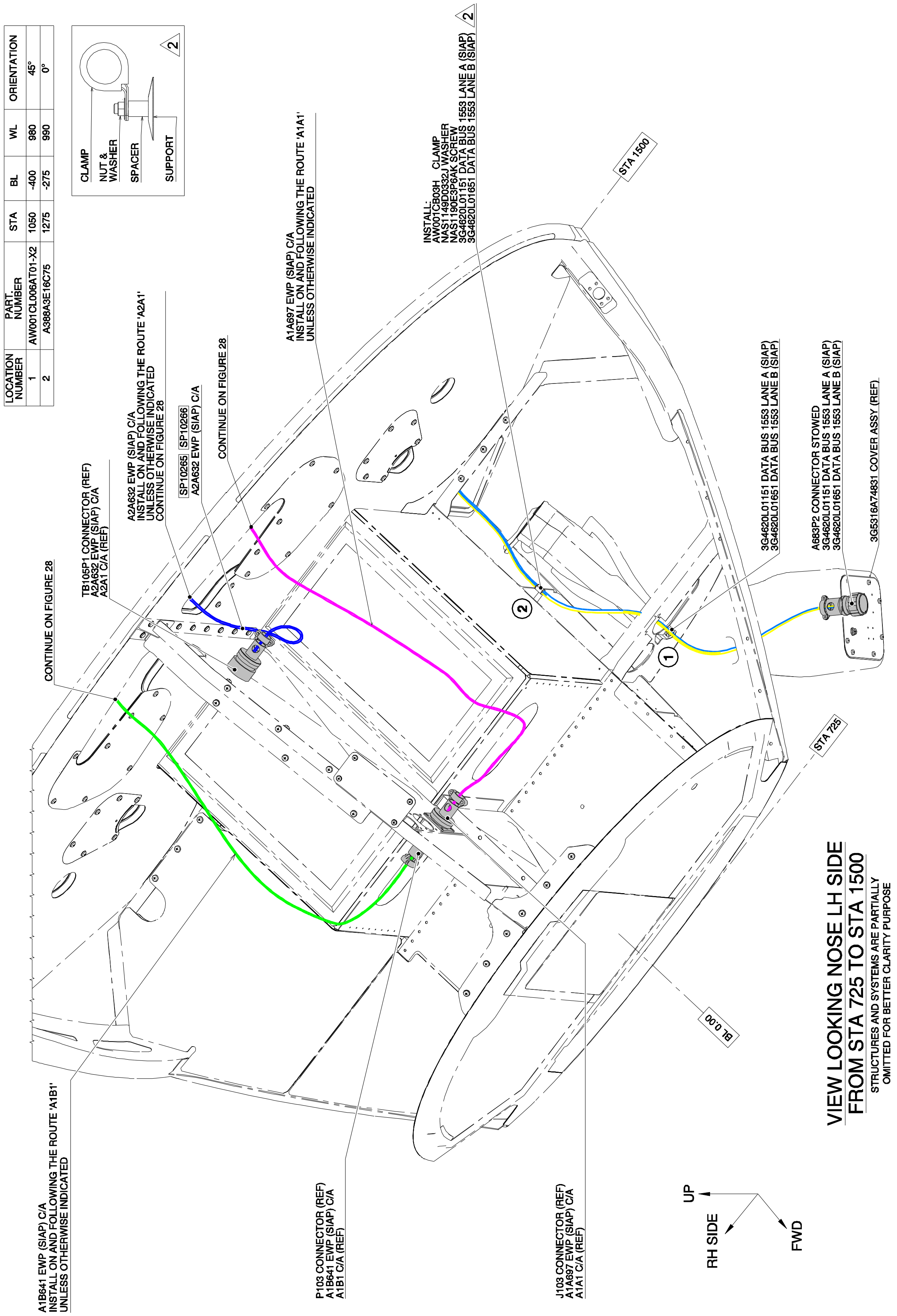

3G9960A00911
EWP (SIAP)
ELECTRICAL PROVISION
ISOMETRIC VIEW
XYZ INDICATES WHERE GIVEN COORDINATES ARE LOCATED ON SUPPORT, SEE COORD. TABLE LOCATION OF SUPPORT CAN BE BONDED WITH IN ±5 MM OF GIVEN COORDINATES, UNLESS OTHERWISE MENTIONED ORIENTATION OF SUPPORT CAN BE BONDED WITH IN ±5° OF GIVEN VALUE. UNLESS OTHERWISE MENTIONED.
AW001CL0--CM
AW001CL510--N6
A366A3E--C
A366A3E--C75
AW001CL006AT--X-
(C2B407) 3G9C02B40701 EWP (SIAP) C/A
(C1B357) 3G9C01B35701 EWP (SIAP) C/A
3G4620L00951 DATA BUS 1553 LANE A (SIAP)
3G4620L01451 DATA BUS 1553 LANE B (SIAP)
3G4620L01051 DATA BUS 1553 LANE A (SIAP)
3G4620L01551 DATA BUS 1553 LANE B (SIAP)
3G9B02B76101 EWP (SIAP) C/A (B2B761)
3G9C03B31701 EWP (SIAP) C/A (C3B317)
ORIENTATION OF CABLE SUPPORTS DIAGRAM IS BASIC FOR ORIENTATION OF ALL CABLE SUPPORTS IN RELATIONSHIP TO A/C AXIS SYSTEM. FOR ORIENTATION OFF SUPPORT SEE COORDINATE TABLE
ORIENTATION
90°
180°
270°
ORIGIN XYZ
X-AXIS
Z-AXIS
0°
(B1R32) 3G9B01R03201 EWP (SIAP) C/A
REMOVE: 3G9A01P14501 EWP (SIAP) C/A (A1P145)
3G4620L01351 DATA BUS 1553 LANE A (SIAP)
3G4620L01851 DATA BUS 1553 LANE B (SIAP)
3G4620L01251 DATA BUS 1553 LANE A (SIAP)
3G4620L01751 DATA BUS 1553 LANE B (SIAP)
3G4620L01151 DATA BUS 1553 LANE A (SIAP)
3G4620L01651 DATA BUS 1553 LANE B (SIAP)
(A2B606) 3G9A02B60601 EWP (SIAP) C/A
(A2A632) 3G9A02A63201 EWP (SIAP) C/A
(A1B641) 3G9A01B64101 EWP (SIAP) C/A
(A1A697) 3G9A01A69701 EWP (SIAP) C/A

Figure 26



LOCATION NUMBER	PART NUMBER	STA	BL	WL	ORIENTATION
1	AW001CL006AT01-X2	1050	-400	980	45°
2	A388A3E16C75	1275	-275	990	0°

CLAMP
NUT & WASHER
SPACER
SUPPORT
2
INSTALL:
AW001CB03H CLAMP
NAS1149D0332J WASHER
NAS1190E3P6AK SCREW
3G4620L01151 DATA BUS 1553 LANE A (SIAP)
3G4620L01651 DATA BUS 1553 LANE B (SIAP)
2
STA 1500
A1A697 EWP (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'A1A1'
UNLESS OTHERWISE INDICATED
A2A632 EWP (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'A2A1'
UNLESS OTHERWISE INDICATED
CONTINUE ON FIGURE 28
SP10265 SP10266
A2A632 EWP (SIAP) C/A
CONTINUE ON FIGURE 28
TB105P1 CONNECTOR (REF)
A2A632 EWP (SIAP) C/A
A2A1 C/A (REF)
CONTINUE ON FIGURE 28
3G4620L01151 DATA BUS 1553 LANE A (SIAP)
3G4620L01651 DATA BUS 1553 LANE B (SIAP)
A683P2 CONNECTOR STOWED
3G4620L01151 DATA BUS 1553 LANE A (SIAP)
3G4620L01651 DATA BUS 1553 LANE B (SIAP)
3G5316A74831 COVER ASSY (REF)
2
1
STA 725
BL 0.00
VIEW LOOKING NOSE LH SIDE
FROM STA 725 TO STA 1500
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE
A1B641 EWP (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'A1B1'
UNLESS OTHERWISE INDICATED
P103 CONNECTOR (REF)
A1B641 EWP (SIAP) C/A
A1B1 C/A (REF)
J103 CONNECTOR (REF)
A1A697 EWP (SIAP) C/A
A1A1 C/A (REF)
UP
RH SIDE
FWD

Figure 27

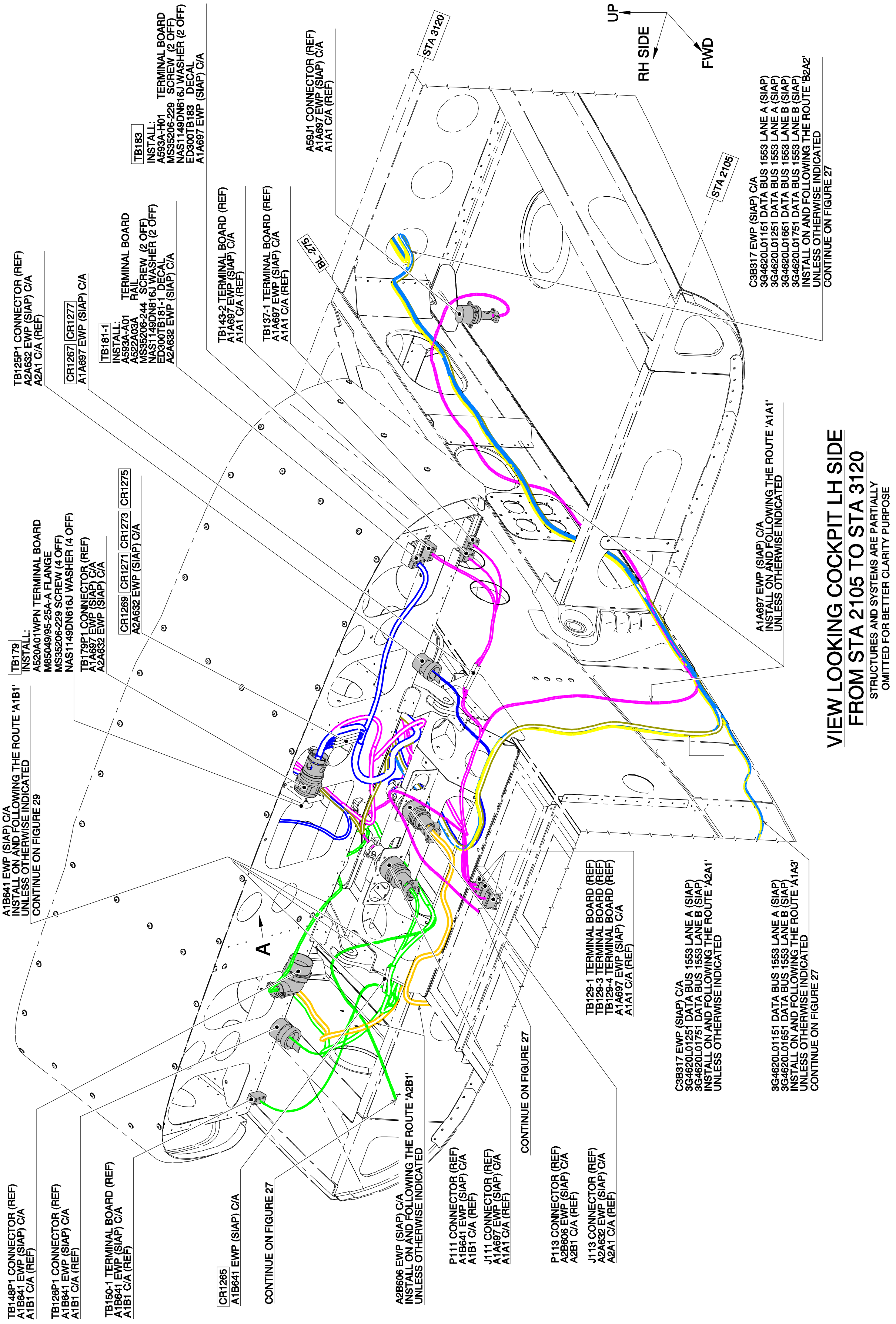

VIEW LOOKING COCKPIT LH SIDE
FROM STA 2105 TO STA 3120
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE
UP
RH SIDE
FWD
STA 3120
STA 2105
BL -275
A
TB183
INSTALL:
A593A-H01 TERMINAL BOARD
MS35206-229 SCREW (2 OFF)
NAS1149DN616J WASHER (2 OFF)
ED300TB183 DECAL
A1A697 EWP (SIAP) C/A
A59J1 CONNECTOR (REF)
A1A697 EWP (SIAP) C/A
A1A1 C/A (REF)
TB181-1
INSTALL:
A593A-A01 TERMINAL BOARD
A522A03A RAIL
MS35206-244 SCREW (2 OFF)
NAS1149DN616J WASHER (2 OFF)
ED300TB181-1 DECAL
A2A632 EWP (SIAP) C/A
TB143-2 TERMINAL BOARD (REF)
A1A697 EWP (SIAP) C/A
A1A1 C/A (REF)
TB137-1 TERMINAL BOARD (REF)
A1A697 EWP (SIAP) C/A
A1A1 C/A (REF)
TB125P1 CONNECTOR (REF)
A2A632 EWP (SIAP) C/A
A2A1 C/A (REF)
CR1267 CR1277
A1A697 EWP (SIAP) C/A
C3B317 EWP (SIAP) C/A
3G4620L01151 DATA BUS 1553 LANE A (SIAP)
3G4620L01251 DATA BUS 1553 LANE A (SIAP)
3G4620L01651 DATA BUS 1553 LANE B (SIAP)
3G4620L01751 DATA BUS 1553 LANE B (SIAP)
INSTALL ON AND FOLLOWING THE ROUTE 'B2A2'
UNLESS OTHERWISE INDICATED
CONTINUE ON FIGURE 27
A1A697 EWP (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'A1A1'
UNLESS OTHERWISE INDICATED
TB179
INSTALL:
A520A01WPN TERMINAL BOARD
M85049/95-25A-A FLANGE
MS35206-229 SCREW (4 OFF)
NAS1149DN616J WASHER (4 OFF)
TB179P1 CONNECTOR (REF)
A1A697 EWP (SIAP) C/A
A2A632 EWP (SIAP) C/A
CR1269 CR1271 CR1273 CR1275
A2A632 EWP (SIAP) C/A
A1B641 EWP (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'A1B1'
UNLESS OTHERWISE INDICATED
CONTINUE ON FIGURE 29
TB129-1 TERMINAL BOARD (REF)
TB129-3 TERMINAL BOARD (REF)
TB129-4 TERMINAL BOARD (REF)
A1A697 EWP (SIAP) C/A
A1A1 C/A (REF)
C3B317 EWP (SIAP) C/A
3G4620L01251 DATA BUS 1553 LANE A (SIAP)
3G4620L01751 DATA BUS 1553 LANE B (SIAP)
INSTALL ON AND FOLLOWING THE ROUTE 'A2A1'
UNLESS OTHERWISE INDICATED
3G4620L01151 DATA BUS 1553 LANE A (SIAP)
3G4620L01651 DATA BUS 1553 LANE B (SIAP)
INSTALL ON AND FOLLOWING THE ROUTE 'A1A3'
UNLESS OTHERWISE INDICATED
CONTINUE ON FIGURE 27
TB148P1 CONNECTOR (REF)
A1B641 EWP (SIAP) C/A
A1B1 C/A (REF)
TB126P1 CONNECTOR (REF)
A1B641 EWP (SIAP) C/A
A1B1 C/A (REF)
TB150-1 TERMINAL BOARD (REF)
A1B641 EWP (SIAP) C/A
A1B1 C/A (REF)
CR1265
A1B641 EWP (SIAP) C/A
CONTINUE ON FIGURE 27
A2B606 EWP (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'A2B1'
UNLESS OTHERWISE INDICATED
P111 CONNECTOR (REF)
A1B641 EWP (SIAP) C/A
A1B1 C/A (REF)
J111 CONNECTOR (REF)
A1A697 EWP (SIAP) C/A
A1A1 C/A (REF)
CONTINUE ON FIGURE 27
P113 CONNECTOR (REF)
A2B606 EWP (SIAP) C/A
A2B1 C/A (REF)
J113 CONNECTOR (REF)
A2A632 EWP (SIAP) C/A
A2A1 C/A (REF)

Figure 28

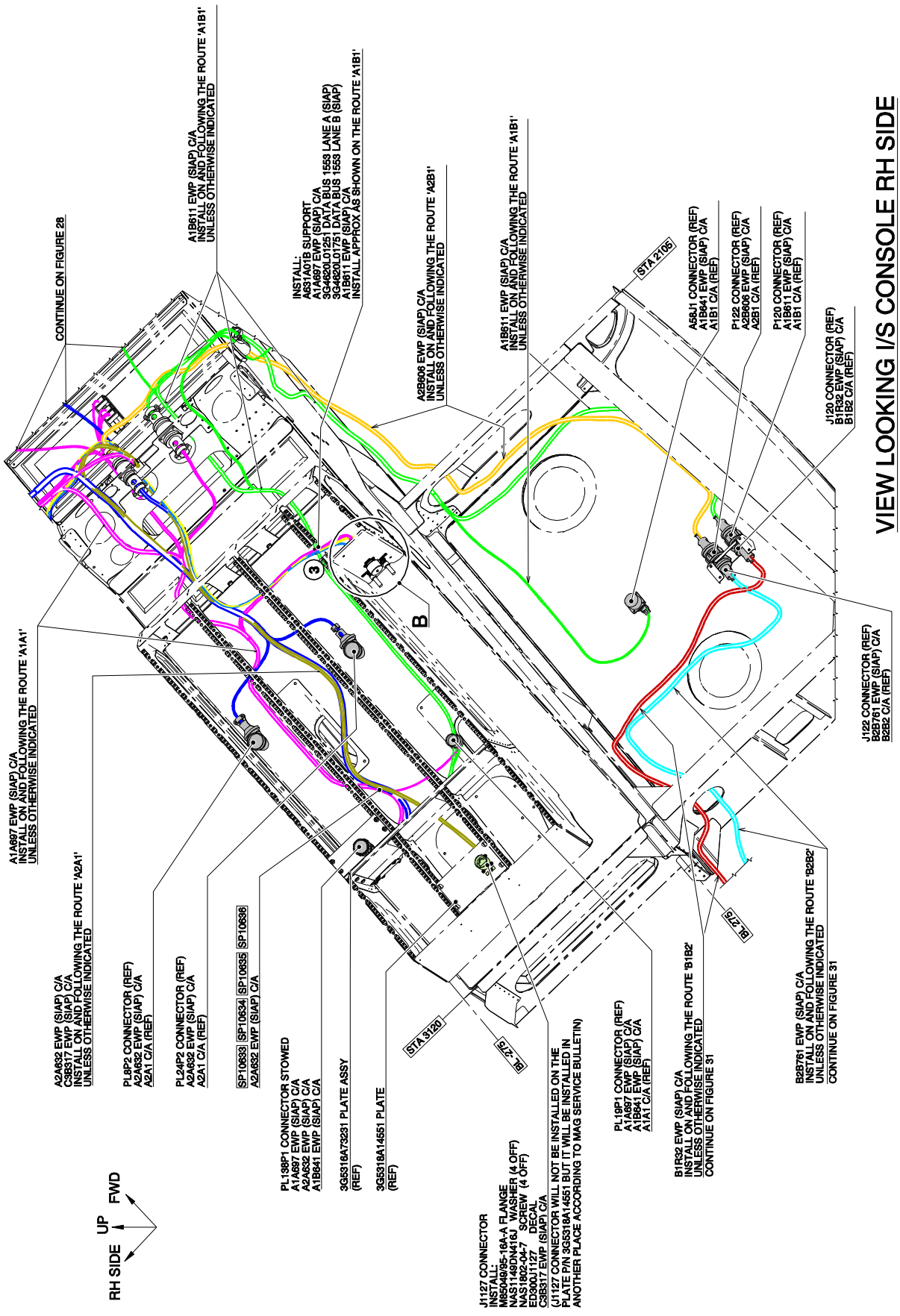
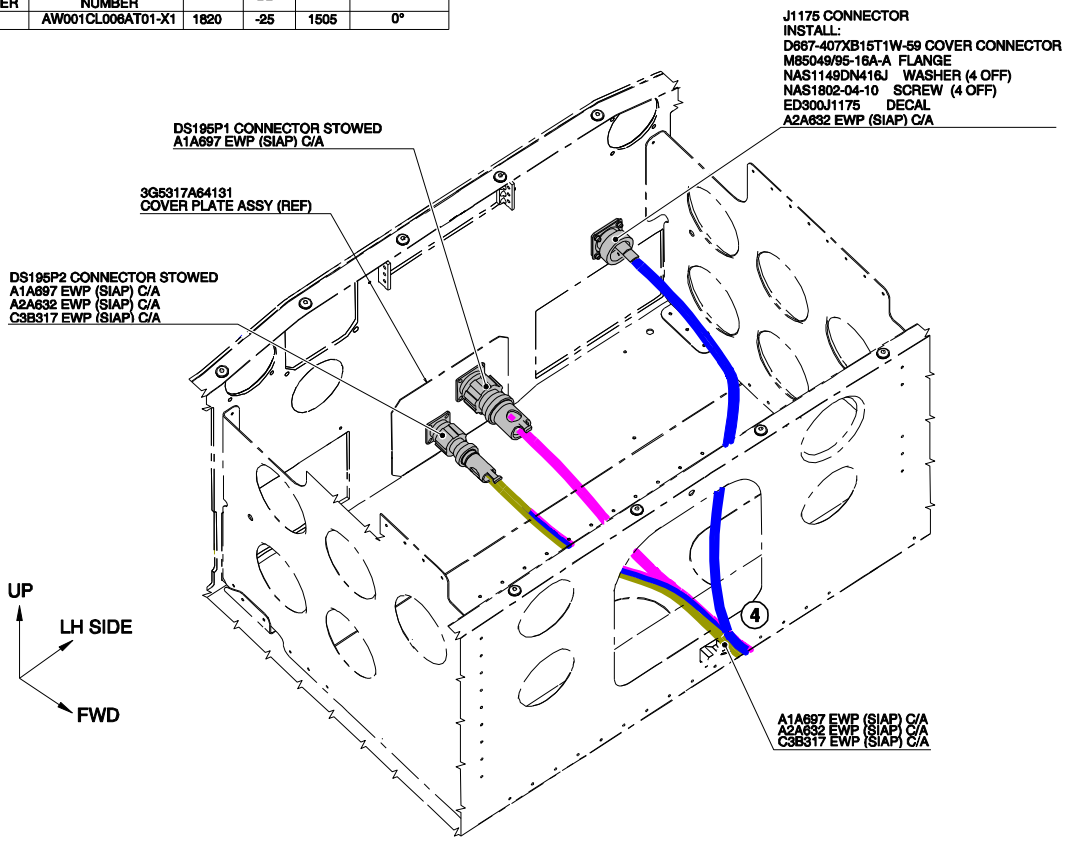

VIEW LOOKING I/S CONSOLE RH SIDE
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
RH SIDE
UP
FWD
STA 2105
STA 3120
BL 215
BL 215
A1A697 EWP (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'A1A1'
UNLESS OTHERWISE INDICATED
A2A632 EWP (SIAP) C/A
C3B317 EWP (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'A2A1'
UNLESS OTHERWISE INDICATED
CONTINUE ON FIGURE 28
PL8P2 CONNECTOR (REF)
A2A632 EWP (SIAP) C/A
A2A1 C/A (REF)
PL24P2 CONNECTOR (REF)
A2A632 EWP (SIAP) C/A
A2A1 C/A (REF)
SP10633 SP10634 SP10635 SP10636
A2A632 EWP (SIAP) C/A
PL139P1 CONNECTOR STOWED
A1A697 EWP (SIAP) C/A
A2A632 EWP (SIAP) C/A
A1B841 EWP (SIAP) C/A
3G5316A73231 PLATE ASSY
(REF)
3G5318A14551 PLATE
(REF)
J1127 CONNECTOR
INSTALL:
M85049/95-16A-A FLANGE
NAS1149DN416J WASHER (4 OFF)
NAS1802-04-7 SCREW (4 OFF)
ED300/J1127 DECAL
C3B317 EWP (SIAP) C/A
(J1127 CONNECTOR WILL NOT BE INSTALLED ON THE
PLATE P/N 3G5318A14551 BUT IT WILL BE INSTALLED IN
ANOTHER PLACE ACCORDING TO MAG SERVICE BULLETIN)
PL19P1 CONNECTOR (REF)
A1A697 EWP (SIAP) C/A
A1B841 EWP (SIAP) C/A
A1A1 C/A (REF)
B1R32 EWP (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B1B2'
UNLESS OTHERWISE INDICATED
CONTINUE ON FIGURE 31
B2B761 EWP (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B2B2'
UNLESS OTHERWISE INDICATED
CONTINUE ON FIGURE 31
A1B611 EWP (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'A1B1'
UNLESS OTHERWISE INDICATED
INSTALL:
AS31A01B SUPPORT
A1A697 EWP (SIAP) C/A
3G4620L01251 DATA BUS 1553 LANE A (SIAP)
3G4620L01751 DATA BUS 1553 LANE B (SIAP)
A1B611 EWP (SIAP) C/A
INSTALL APPROX AS SHOWN ON THE ROUTE 'A1B1'
A2B606 EWP (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'A2B1'
UNLESS OTHERWISE INDICATED
A1B611 EWP (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'A1B1'
UNLESS OTHERWISE INDICATED
A58J1 CONNECTOR (REF)
A1B641 EWP (SIAP) C/A
A1B1 C/A (REF)
P122 CONNECTOR (REF)
A2B606 EWP (SIAP) C/A
A2B1 C/A (REF)
P120 CONNECTOR (REF)
A1B611 EWP (SIAP) C/A
A1B1 C/A (REF)
J120 CONNECTOR (REF)
B1R32 EWP (SIAP) C/A
B1B2 C/A (REF)
J122 CONNECTOR (REF)
B2B761 EWP (SIAP) C/A
B2B2 C/A (REF)

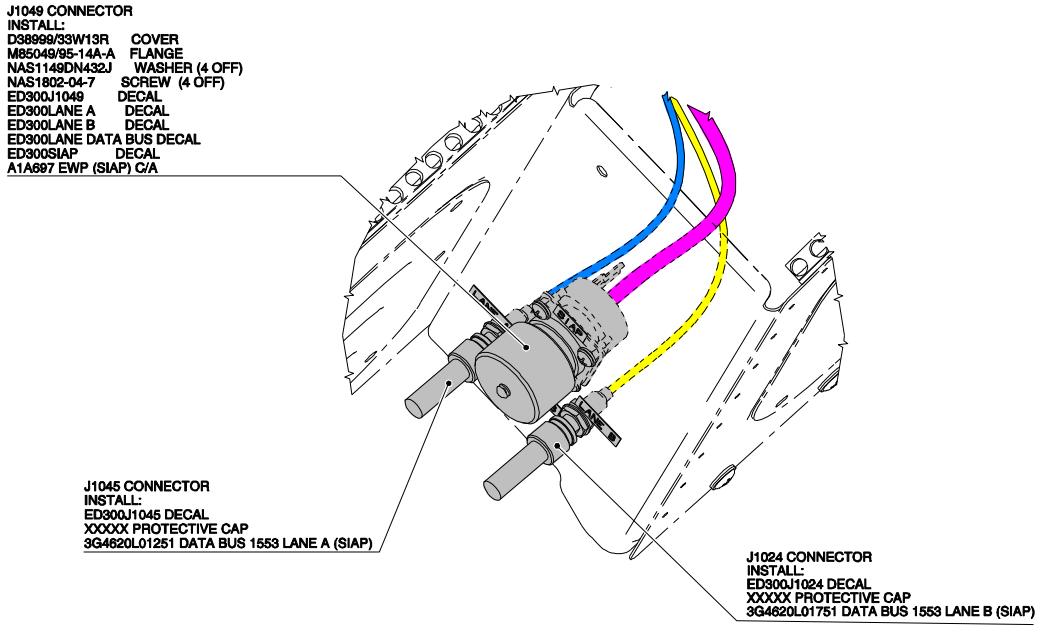
Figure 29

LOCATION NUMBER	PART. NUMBER	STA	BL	WL	ORIENTATION
4	AW001CL006AT01-X1	1820	-25	1505	0°



VIEW A

STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE



DETAIL B

STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

Figure 30

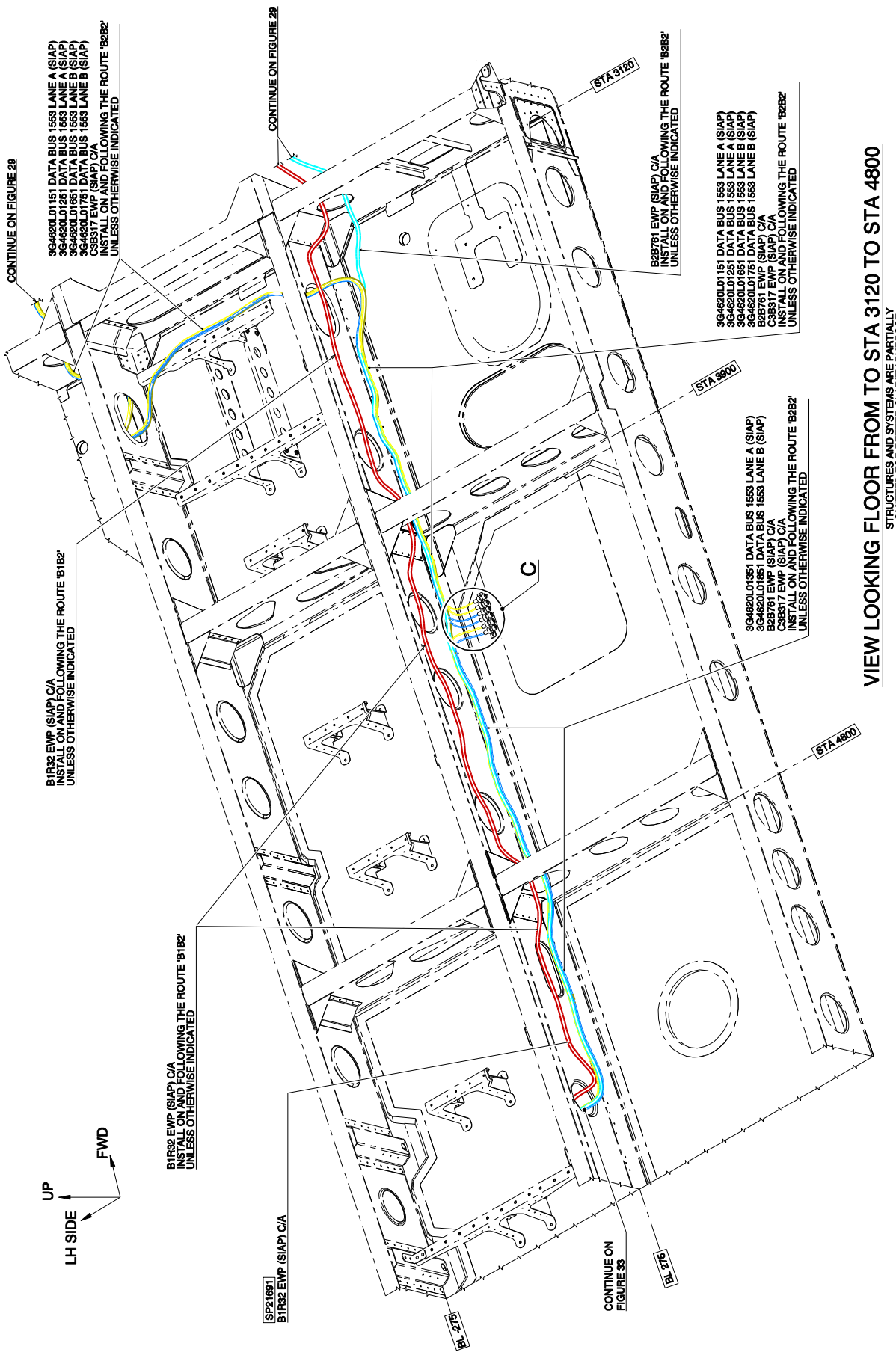
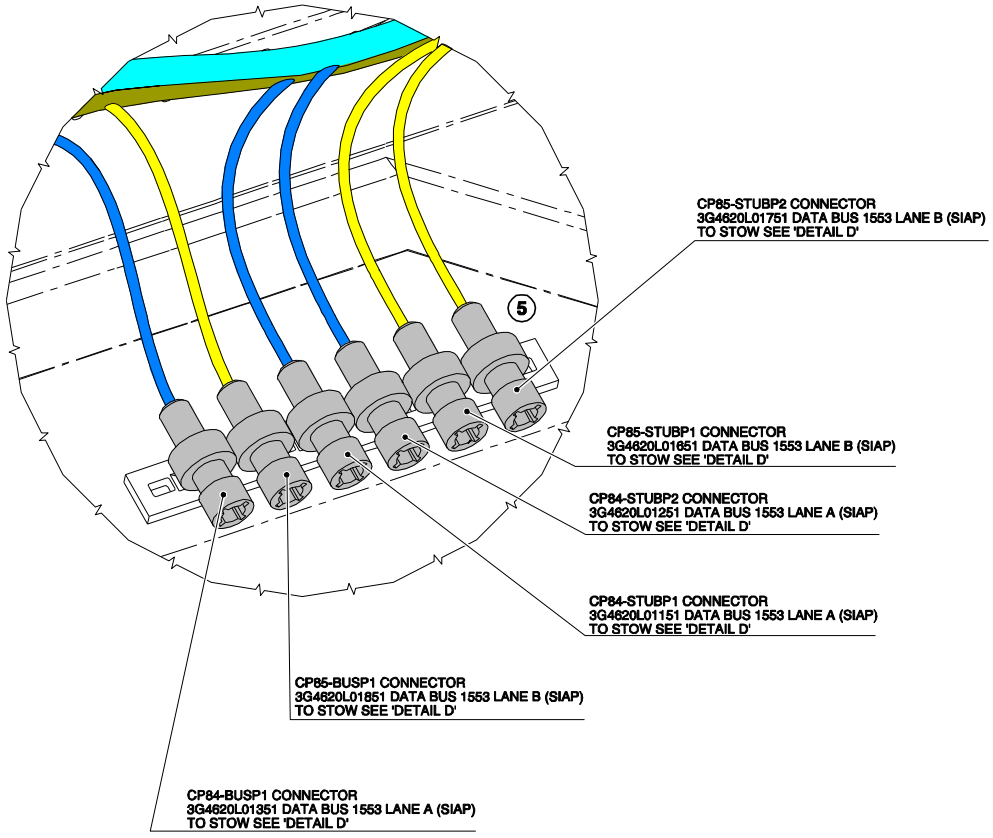

VIEW LOOKING FLOOR FROM TO STA 3120 TO STA 4800
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
STA 3120
STA 3900
STA 4800
BL 276
BL 276
C
CONTINUE ON FIGURE 29
CONTINUE ON FIGURE 29
CONTINUE ON FIGURE 33
3G4620L01151 DATA BUS 1553 LANE A (SIAP)
3G4620L01251 DATA BUS 1553 LANE A (SIAP)
3G4620L01661 DATA BUS 1553 LANE B (SIAP)
3G4620L01751 DATA BUS 1553 LANE B (SIAP)
C38317 EWP (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B282'
UNLESS OTHERWISE INDICATED
B28761 EWP (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B282'
UNLESS OTHERWISE INDICATED
3G4620L01351 DATA BUS 1553 LANE A (SIAP)
3G4620L01851 DATA BUS 1553 LANE B (SIAP)
B28761 EWP (SIAP) C/A
C38317 EWP (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B282'
UNLESS OTHERWISE INDICATED
B1R32 EWP (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B1B2'
UNLESS OTHERWISE INDICATED
B1R32 EWP (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B1B2'
UNLESS OTHERWISE INDICATED
SP21601
B1R32 EWP (SIAP) C/A
FWD
UP
LH SIDE

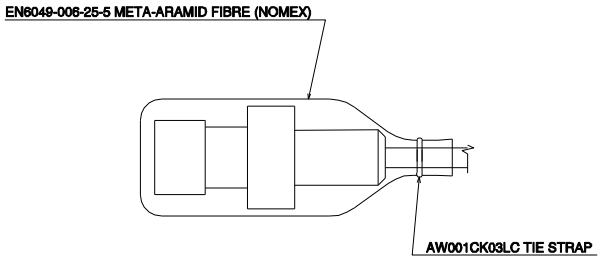
Figure 31

LOCATION NUMBER	PART. NUMBER	STA	BL	WL	ORIENTATION
5	AW001CL510C-N6	4085	380	845	0°



DETAIL C

STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE



INSERT THE CONNECTOR ASSEMBLY INTO THE PROTECTIVE PLUG.
COVER WITH THE NOMEX FIBRE SLEEVE AND USE THE CABLE STRAPS
TO TIE UP SLEEVE FIRMLY TO THE CONNECTOR CABLING.
USE CABLE STRAPS TO FIX THE CONNECTOR ASSY TO THE CABLE LOOM.

DETAIL D

Figure 32

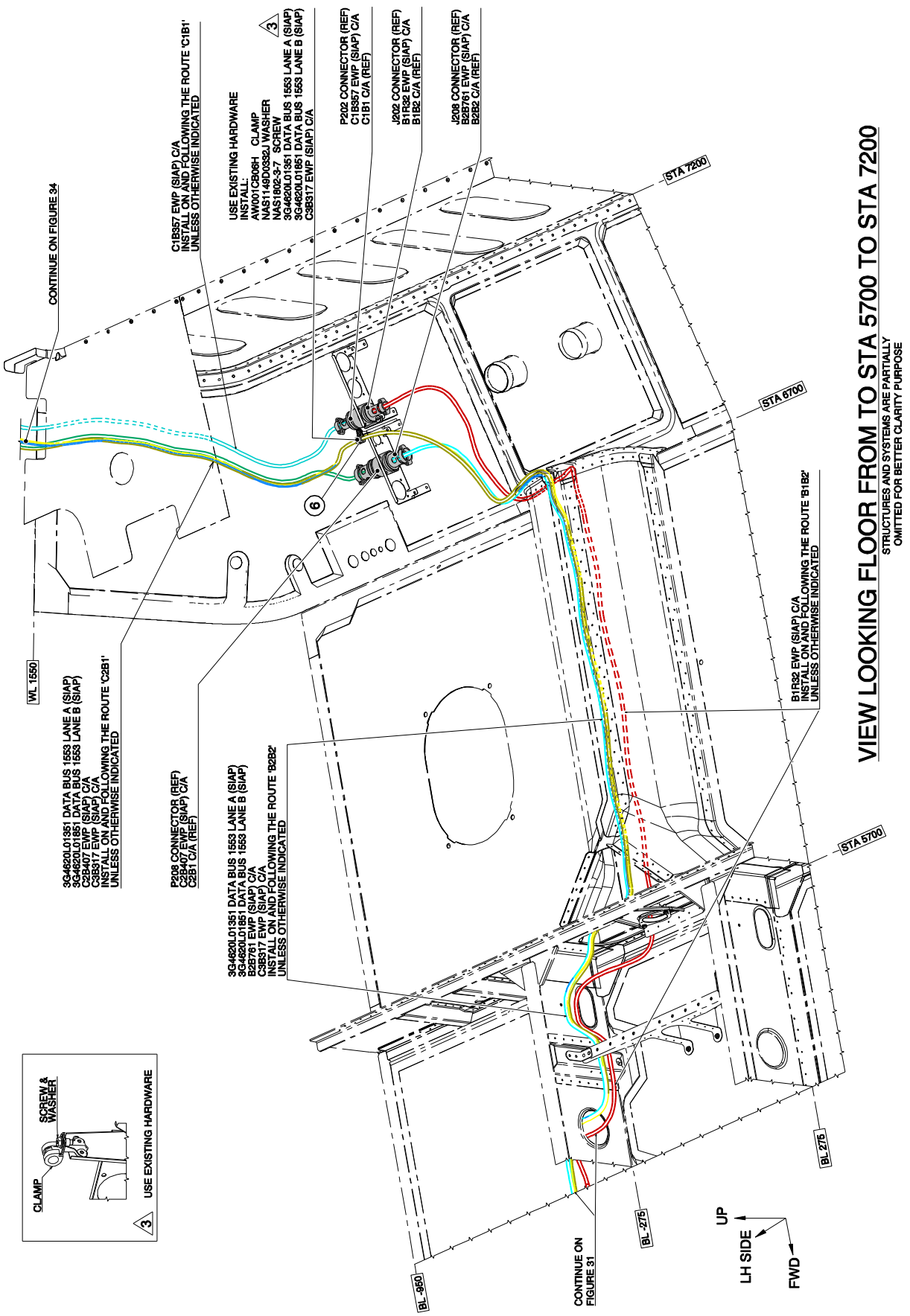
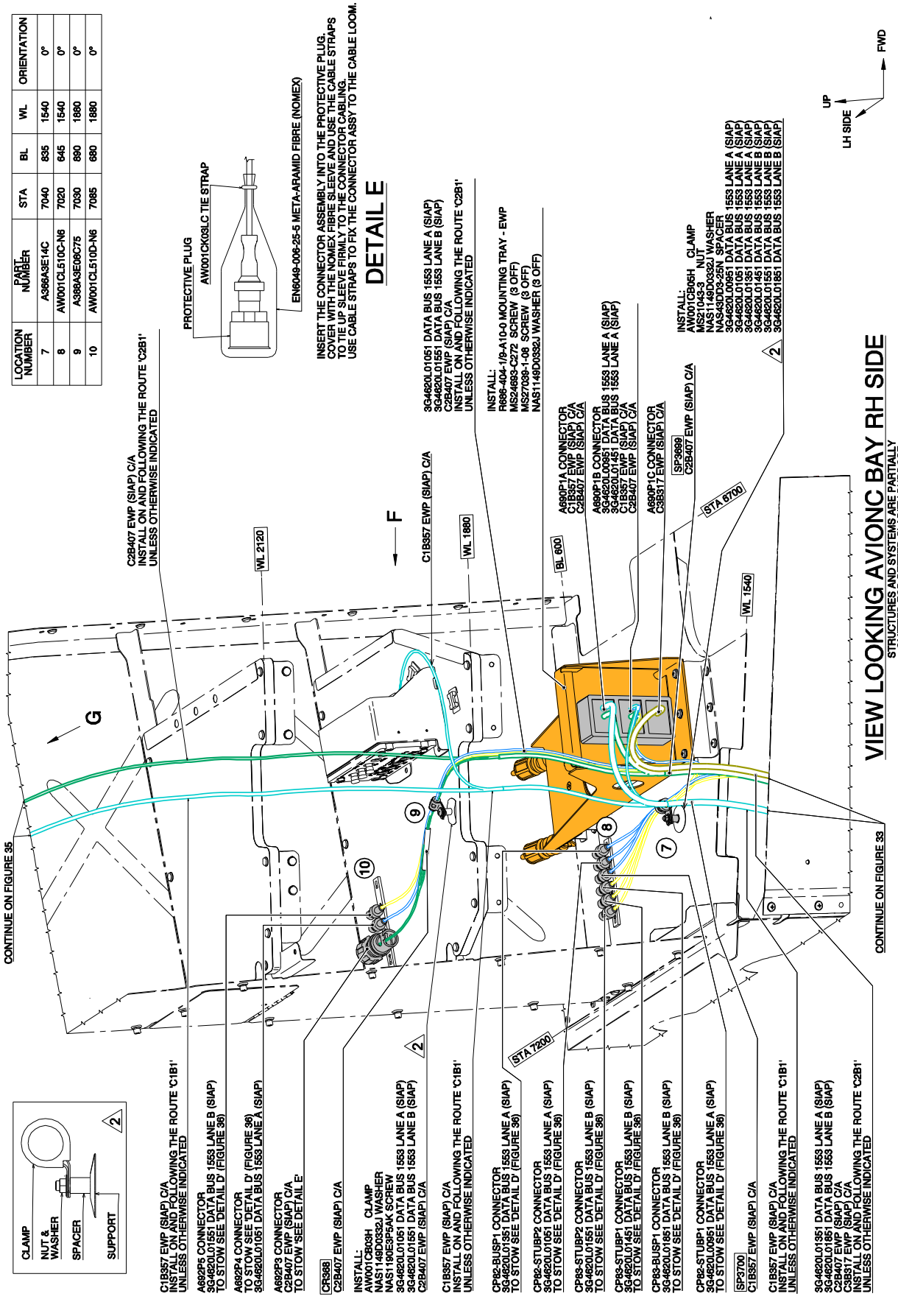
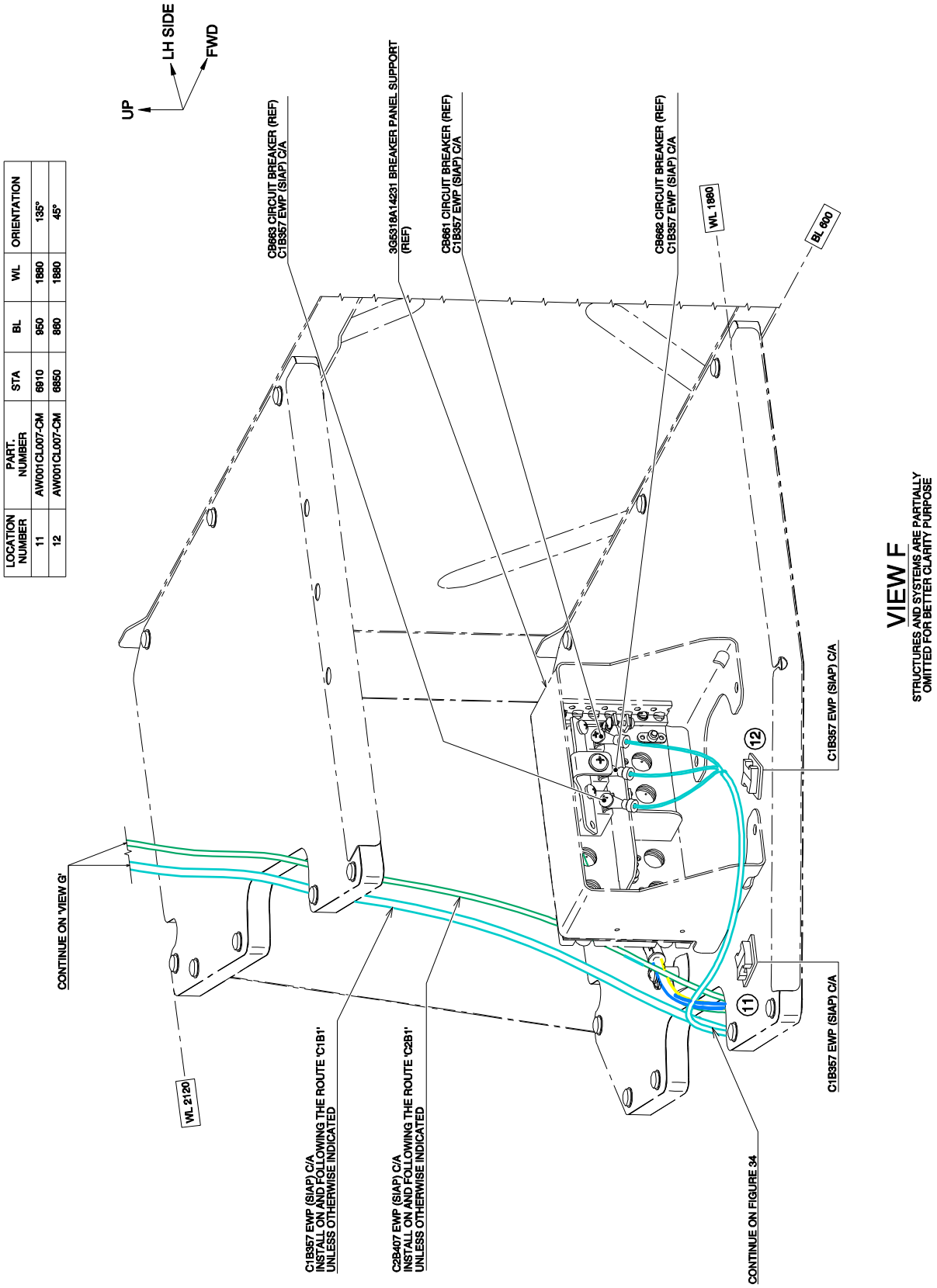

VIEW LOOKING FLOOR FROM TO STA 5700 TO STA 7200
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
STA 7200
STA 6700
STA 5700
BL -950
BL 275
BL 275
WL 1550
CONTINUE ON FIGURE 34
CONTINUE ON FIGURE 31
C1B357 EWP (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'C1B1'
UNLESS OTHERWISE INDICATED
USE EXISTING HARDWARE
INSTALL:
AW001CB06H CLAMP
NAS1149D0332J WASHER
NAS1802-3-7 SCREW
3G4620L01351 DATA BUS 1553 LANE A (SIAP)
3G4620L01851 DATA BUS 1553 LANE B (SIAP)
C3B317 EWP (SIAP) C/A
P202 CONNECTOR (REF)
C1B357 EWP (SIAP) C/A
C1B1 C/A (REF)
J202 CONNECTOR (REF)
B1R32 EWP (SIAP) C/A
B1B2 C/A (REF)
J208 CONNECTOR (REF)
B2B761 EWP (SIAP) C/A
B2B2 C/A (REF)
3G4620L01351 DATA BUS 1553 LANE A (SIAP)
3G4620L01851 DATA BUS 1553 LANE B (SIAP)
C2B407 EWP (SIAP) C/A
C3B317 EWP (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'C2B1'
UNLESS OTHERWISE INDICATED
P208 CONNECTOR (REF)
C2B407 EWP (SIAP) C/A
C2B1 C/A (REF)
3G4620L01351 DATA BUS 1553 LANE A (SIAP)
3G4620L01851 DATA BUS 1553 LANE B (SIAP)
B2B761 EWP (SIAP) C/A
C3B317 EWP (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B2B2'
UNLESS OTHERWISE INDICATED
B1R32 EWP (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B1B2'
UNLESS OTHERWISE INDICATED
3
USE EXISTING HARDWARE
SCREW & WASHER
CLAMP
UP
LH SIDE
FWD

Figure 33



LOCATION NUMBER	PART NUMBER	STA	BL	WL	ORIENTATION
7	A366A3E14C	7040	835	1540	0°
8	AW001CL510C-N6	7020	645	1540	0°
9	A368A3E08C75	7030	890	1860	0°
10	AW001CL510D-N6	7085	680	1880	0°

Figure 34



LOCATION NUMBER	PART NUMBER	STA	BL	WL	ORIENTATION
11	AW001CL007-CM	6810	950	1880	135°
12	AW001CL007-CM	6850	860	1880	45°

Figure 35

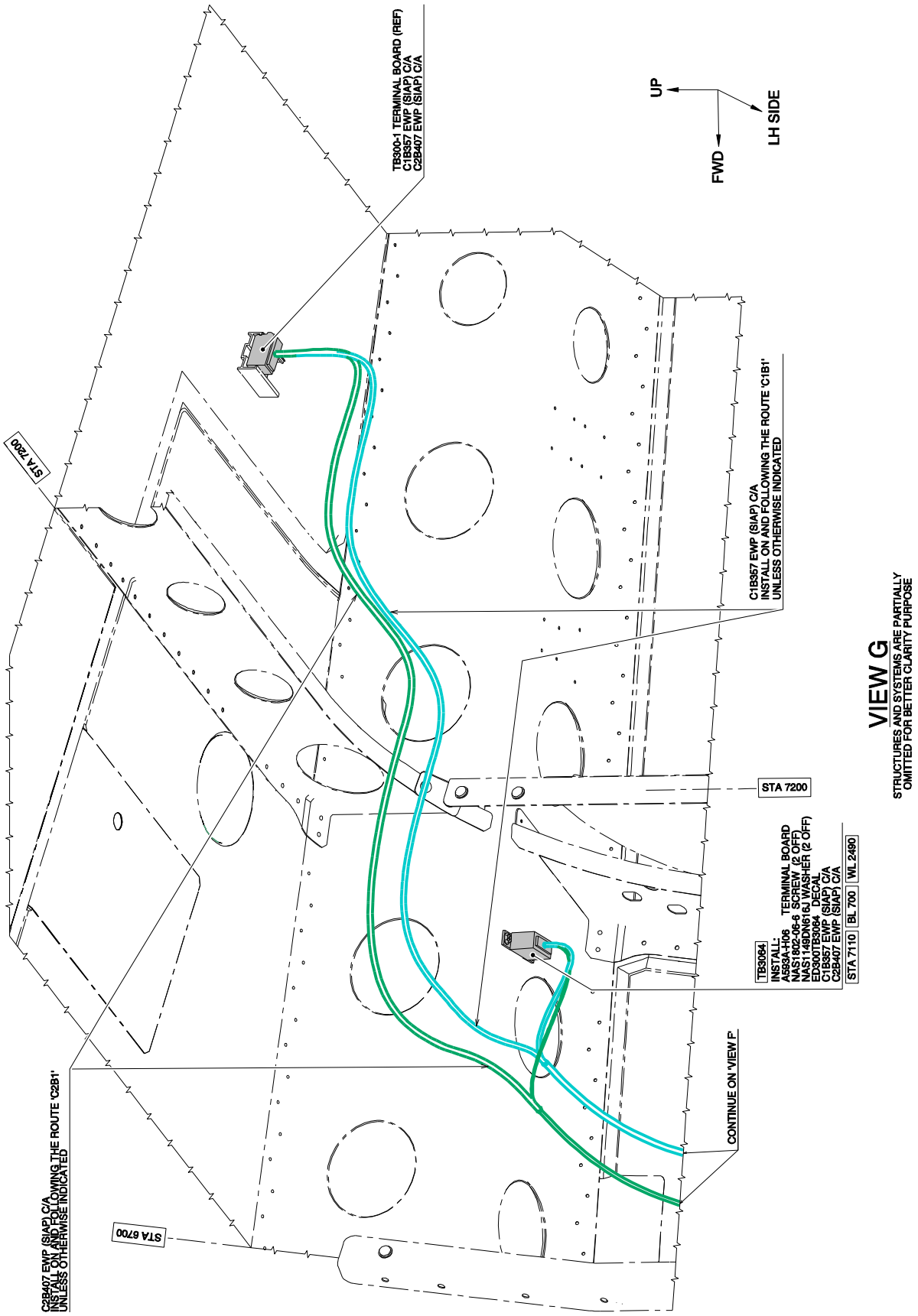

TB300-1 TERMINAL BOARD (REF)
C1B357 EWP (SIAP) C/A
C2B407 EWP (SIAP) C/A
UP
FWD
LH SIDE
STA 7200
C1B357 EWP (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'C1B1'
UNLESS OTHERWISE INDICATED
VIEW G
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE
STA 7200
TB3064
INSTALL:
A593A-H06 TERMINAL BOARD
NAS1802-06-6 SCREW (2 OFF)
NAS1149DN616J WASHER (2 OFF)
ED3007B3064 DECAL
C1B357 EWP (SIAP) C/A
C2B407 EWP (SIAP) C/A
STA 7110
BL 700
WL 2490
CONTINUE ON 'VIEW F'
STA 6700
C2B407 EWP (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'C2B1'
UNLESS OTHERWISE INDICATED

Figure 36

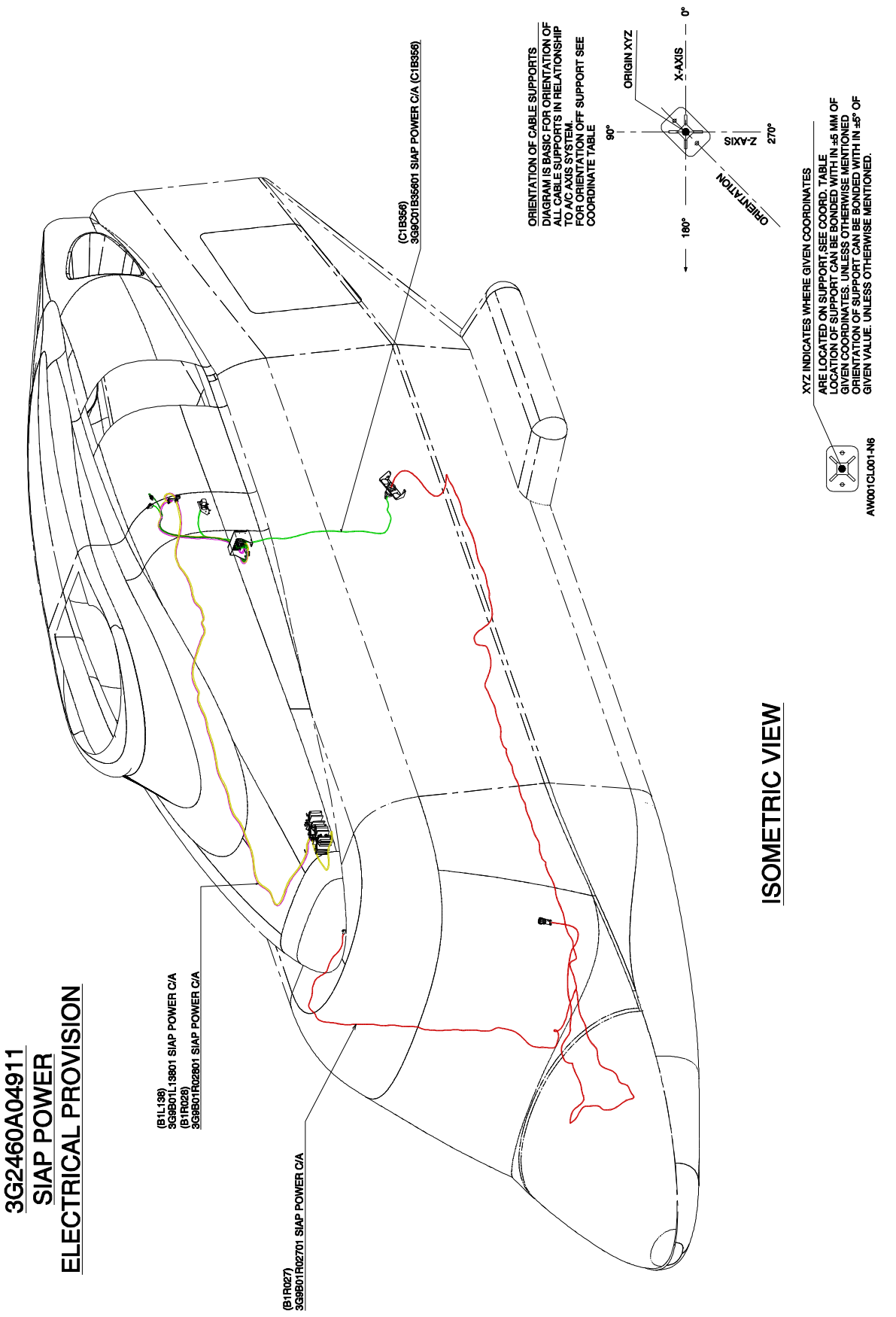

3G2460A04911
SIAP POWER
ELECTRICAL PROVISION
ISOMETRIC VIEW
(C1B356)
3G9C01B35601 SIAP POWER C/A (C1B356)
(B1L198)
3G9B01L19801 SIAP POWER C/A
(B1R028)
3G9B01R02801 SIAP POWER C/A
(B1R027)
3G9B01R02701 SIAP POWER C/A
ORIENTATION OF CABLE SUPPORTS
DIAGRAM IS BASIC FOR ORIENTATION OF ALL CABLE SUPPORTS IN RELATIONSHIP TO A/C AXIS SYSTEM.
FOR ORIENTATION OFF SUPPORT SEE COORDINATE TABLE
ORIGIN XYZ
X-AXIS
Z-AXIS
ORIENTATION
0°
90°
180°
270°
XYZ INDICATES WHERE GIVEN COORDINATES ARE LOCATED ON SUPPORT.SEE COORD. TABLE
LOCATION OF SUPPORT CAN BE BONDED WITH IN ±5 MM OF GIVEN COORDINATES. UNLESS OTHERWISE MENTIONED
ORIENTATION OF SUPPORT CAN BE BONDED WITH IN ±5° OF GIVEN VALUE. UNLESS OTHERWISE MENTIONED.
AW001CL001-N6

Figure 37

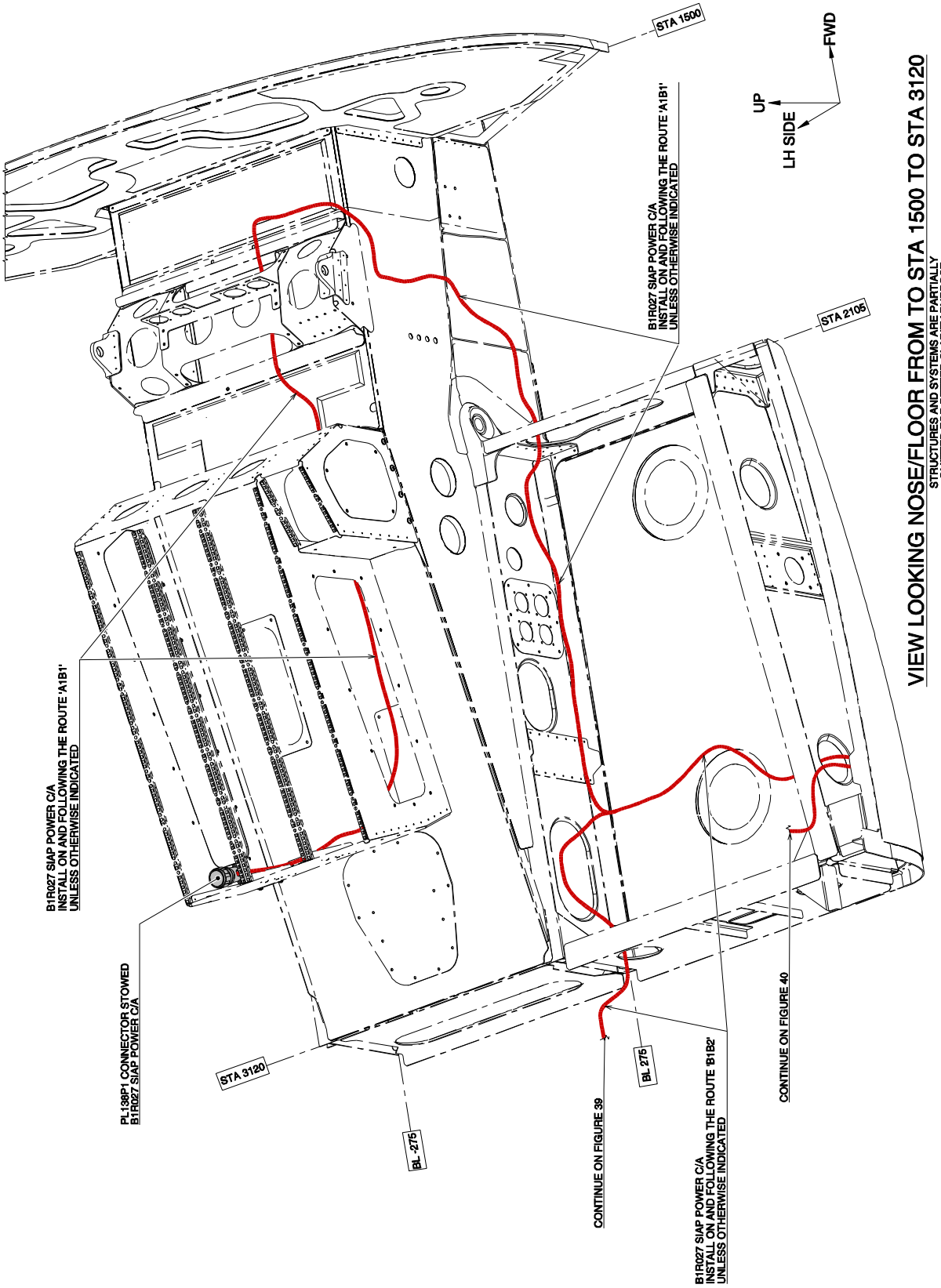

VIEW LOOKING NOSE/FLOOR FROM TO STA 1500 TO STA 3120
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
STA 1500
STA 2105
STA 3120
FWD
UP
LH SIDE
B1R027 SIAP POWER C/A INSTALL ON AND FOLLOWING THE ROUTE 'A1B1' UNLESS OTHERWISE INDICATED
B1R027 SIAP POWER C/A INSTALL ON AND FOLLOWING THE ROUTE 'A1B1' UNLESS OTHERWISE INDICATED
P1-139P1 CONNECTOR STOWED B1R027 SIAP POWER C/A
BL -275
BL 275
CONTINUE ON FIGURE 39
CONTINUE ON FIGURE 40
B1R027 SIAP POWER C/A INSTALL ON AND FOLLOWING THE ROUTE 'B1B2' UNLESS OTHERWISE INDICATED

Figure 38

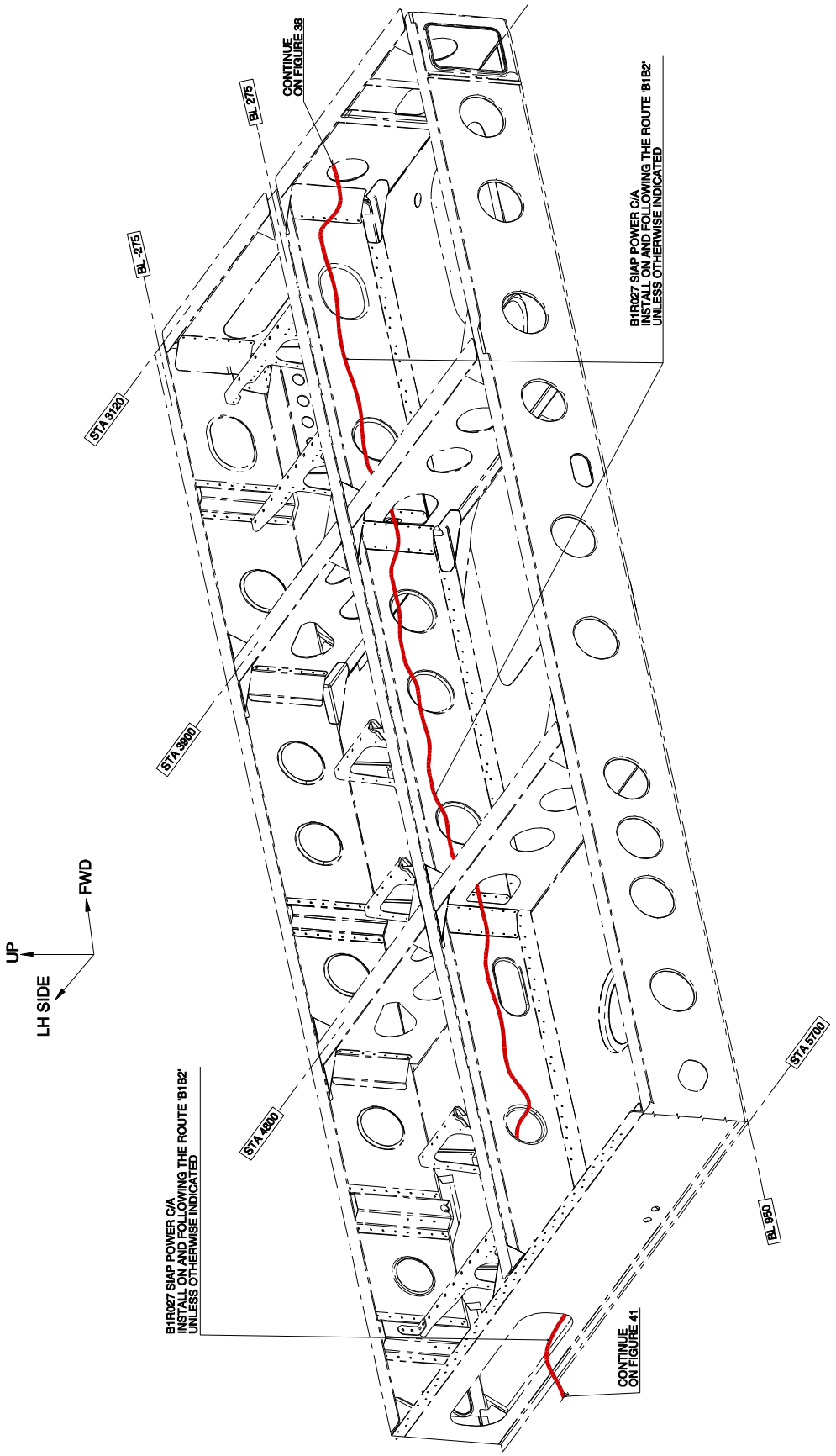
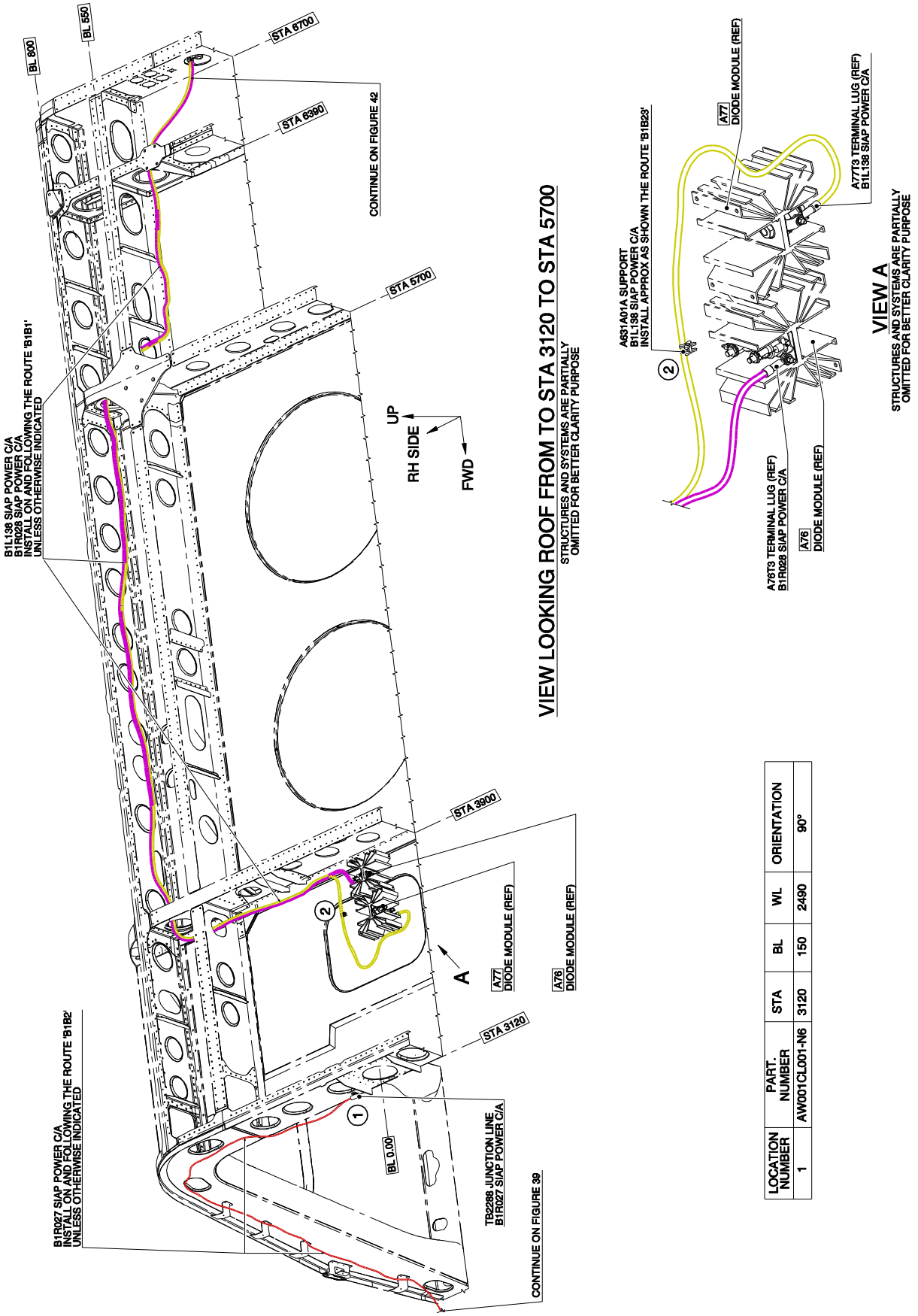

VIEW LOOKING FLOOR FROM TO STA 3120 TO STA 5700
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
CONTINUE ON FIGURE 38
BL 276
BL -275
STA 3120
STA 3900
STA 4600
STA 5700
BL 950
B1R027 SIAP POWER C/A INSTALL ON AND FOLLOWING THE ROUTE 'B1B2' UNLESS OTHERWISE INDICATED
B1R027 SIAP POWER C/A INSTALL ON AND FOLLOWING THE ROUTE 'B1B2' UNLESS OTHERWISE INDICATED
CONTINUE ON FIGURE 41
UP
FWD
LH SIDE

Figure 39



LOCATION NUMBER	PART. NUMBER	STA	BL	WL	ORIENTATION
1	AW001CL001-N6	3120	150	2490	90°

Figure 40

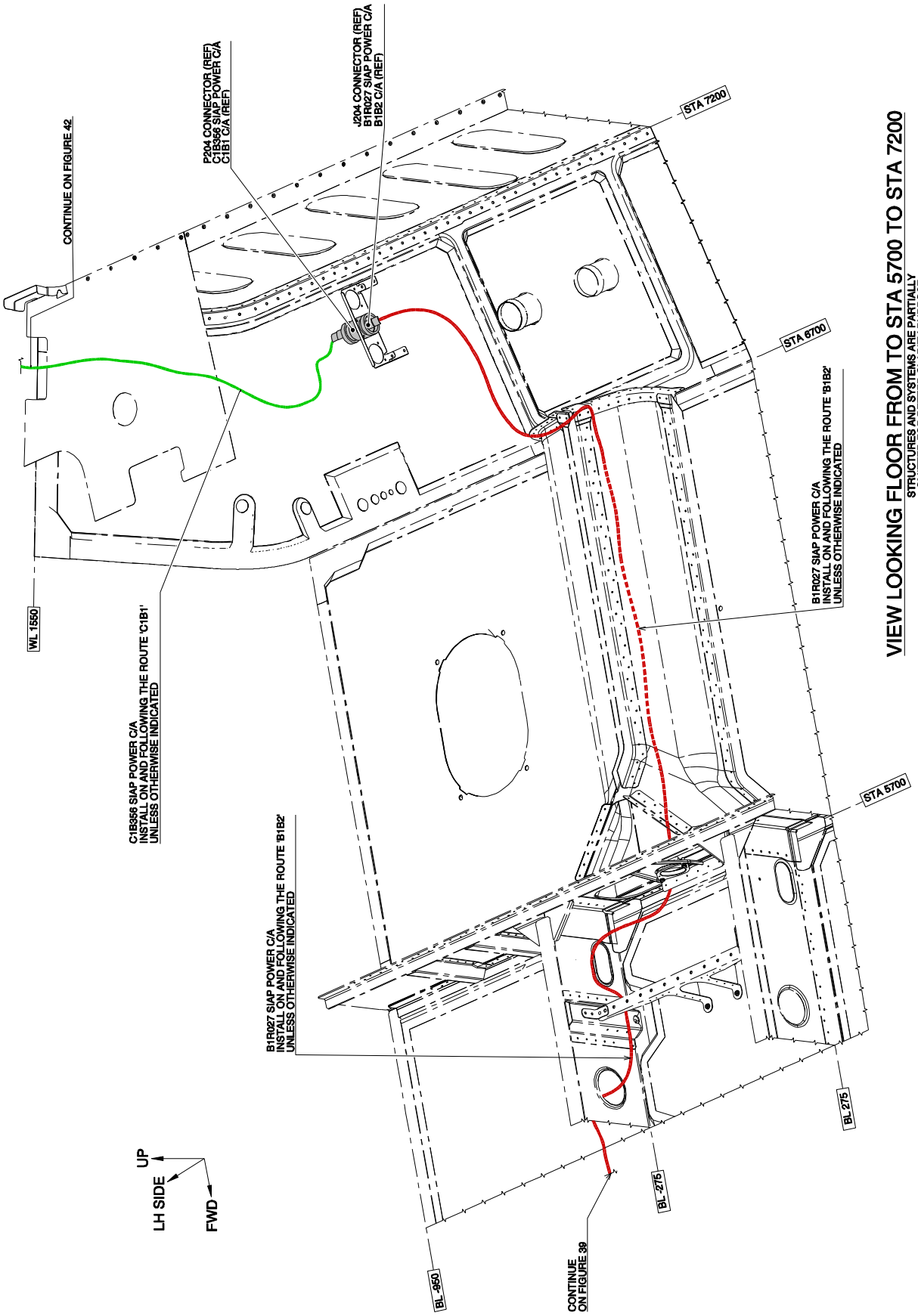

VIEW LOOKING FLOOR FROM TO STA 5700 TO STA 7200
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
CONTINUE ON FIGURE 42
P204 CONNECTOR (REF)
C1B356 SIAP POWER C/A
C1B1 C/A (REF)
J204 CONNECTOR (REF)
B1R027 SIAP POWER C/A
B1B2 C/A (REF)
STA 7200
STA 6700
STA 5700
WL 1550
C1B356 SIAP POWER C/A
INSTALL ON AND FOLLOWING THE ROUTE 'C1B1'
UNLESS OTHERWISE INDICATED
B1R027 SIAP POWER C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B1B2'
UNLESS OTHERWISE INDICATED
B1R027 SIAP POWER C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B1B2'
UNLESS OTHERWISE INDICATED
BL 275
BL -215
BL -950
CONTINUE ON FIGURE 39
UP
LH SIDE
FWD

Figure 41

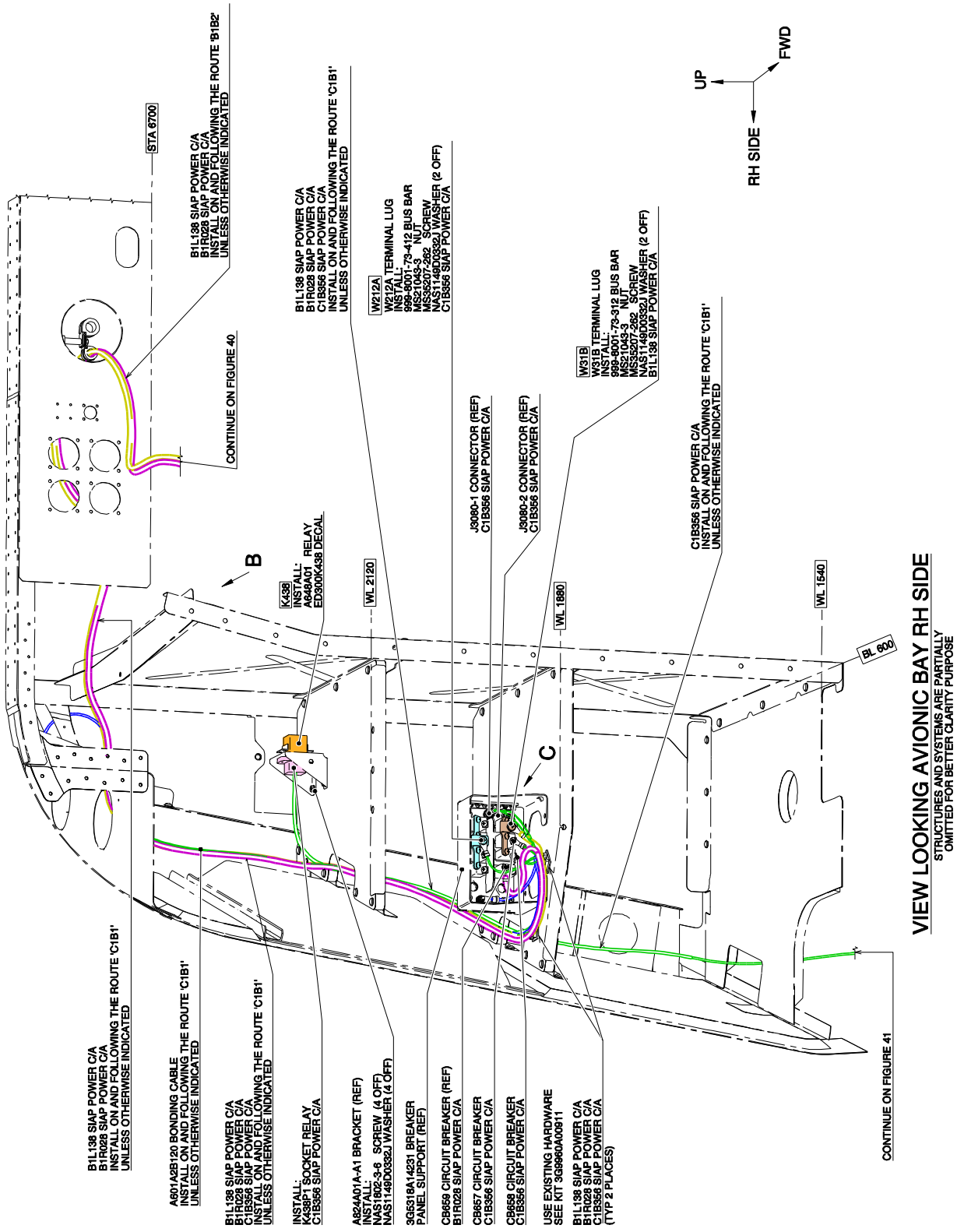
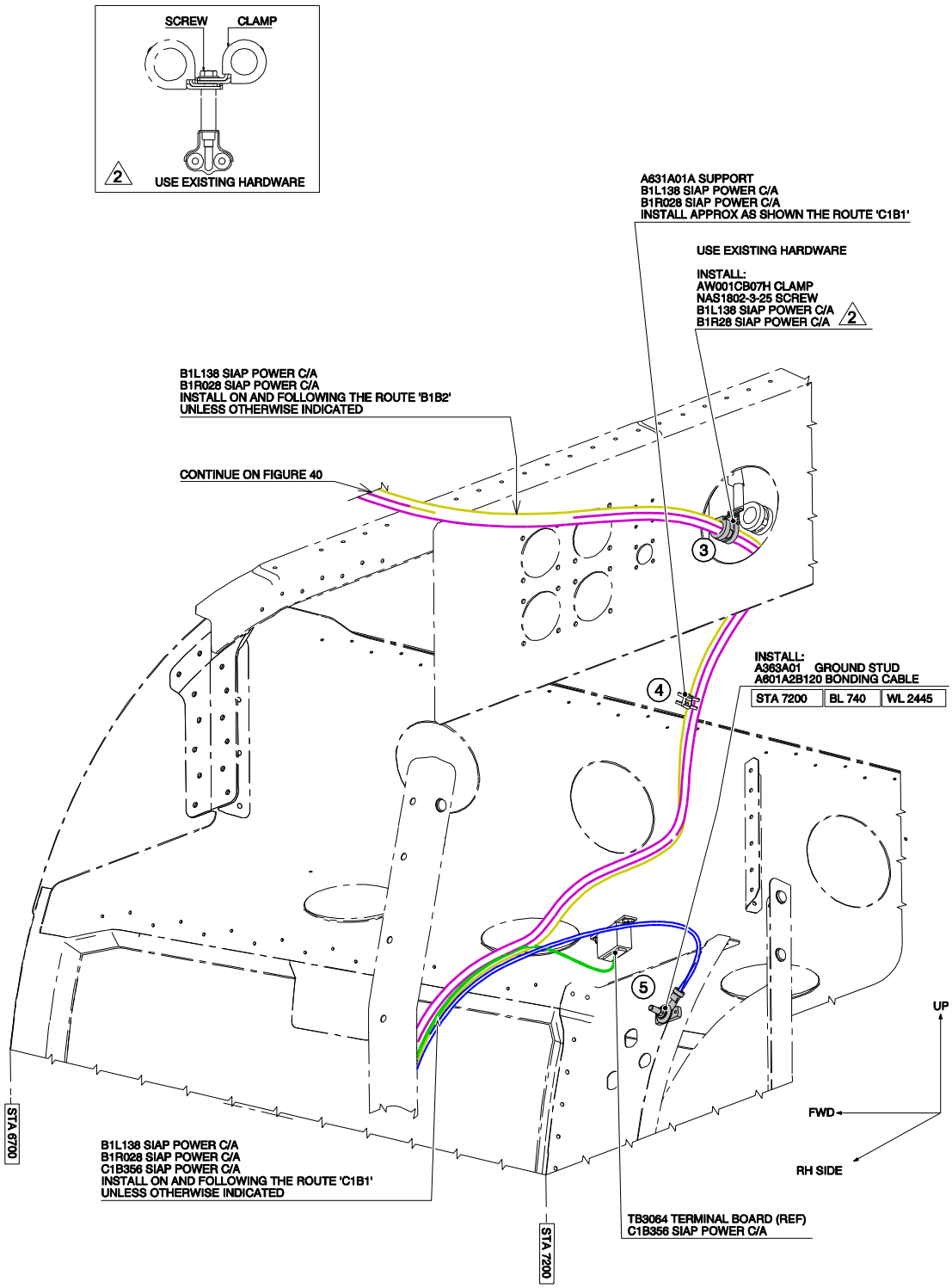

VIEW LOOKING AVIONIC BAY RH SIDE
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
UP
FWD
RH SIDE
STA 6700
WL 2120
WL 1680
WL 1540
BL 600
B
C
K438 INSTALL: A648A01 RELAY ED300K438 DECAL
W212A W212A TERMINAL LUG INSTALL: 999-8001-73-412 BUS BAR MS21042-3 NUT MS21043-3 SCREW NAS1149D0382J WASHER (2 OFF) C1B356 SIAP POWER C/A
W31B W31B TERMINAL LUG INSTALL: 999-8001-73-312 BUS BAR MS21042-3 NUT MS21043-3 SCREW NAS1149D0382J WASHER (2 OFF) B1L138 SIAP POWER C/A
B1L138 SIAP POWER C/A, B1R028 SIAP POWER C/A, INSTALL ON AND FOLLOWING THE ROUTE 'B1B2' UNLESS OTHERWISE INDICATED
B1L138 SIAP POWER C/A, B1R028 SIAP POWER C/A, C1B356 SIAP POWER C/A, INSTALL ON AND FOLLOWING THE ROUTE 'C1B1' UNLESS OTHERWISE INDICATED
CONTINUE ON FIGURE 40
J3080-1 CONNECTOR (REF) C1B356 SIAP POWER C/A
J3080-2 CONNECTOR (REF) C1B356 SIAP POWER C/A
C1B356 SIAP POWER C/A INSTALL ON AND FOLLOWING THE ROUTE 'C1B1' UNLESS OTHERWISE INDICATED
B1L138 SIAP POWER C/A, B1R028 SIAP POWER C/A, INSTALL ON AND FOLLOWING THE ROUTE 'C1B1' UNLESS OTHERWISE INDICATED
A601A2B120 BONDING CABLE INSTALL ON AND FOLLOWING THE ROUTE 'C1B1' UNLESS OTHERWISE INDICATED
B1L138 SIAP POWER C/A, B1R028 SIAP POWER C/A, C1B356 SIAP POWER C/A, INSTALL ON AND FOLLOWING THE ROUTE 'C1B1' UNLESS OTHERWISE INDICATED
INSTALL: K438P1 SOCKET RELAY C1B356 SIAP POWER C/A
A824A01A-A1 BRACKET (REF) INSTALL: NAS1802-3-6 SCREW (4 OFF) NAS1149D0382J WASHER (4 OFF)
3G5318A14231 BREAKER PANEL SUPPORT (REF)
CB659 CIRCUIT BREAKER (REF) B1R028 SIAP POWER C/A
CB657 CIRCUIT BREAKER C1B356 SIAP POWER C/A
CB658 CIRCUIT BREAKER C1B356 SIAP POWER C/A
USE EXISTING HARDWARE SEE KIT 3G9960A00911
B1L138 SIAP POWER C/A, B1R028 SIAP POWER C/A, C1B356 SIAP POWER C/A (TYP 2 PLACES)
CONTINUE ON FIGURE 41

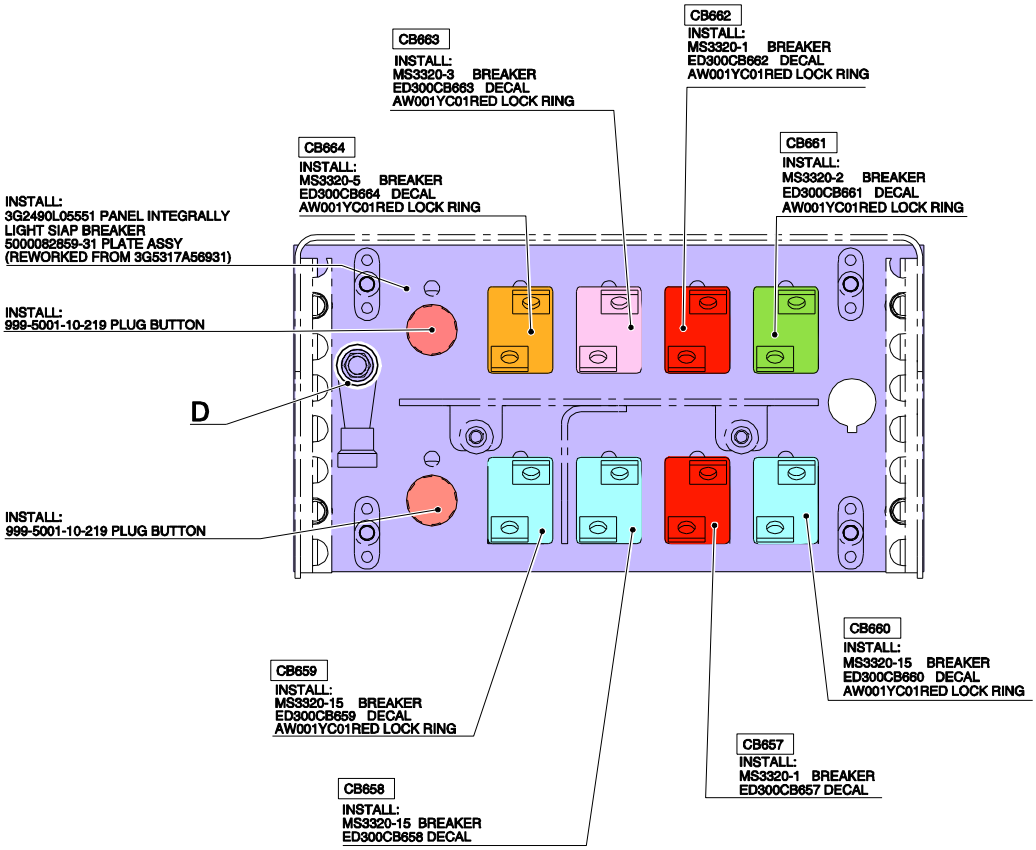
Figure 42



VIEW B

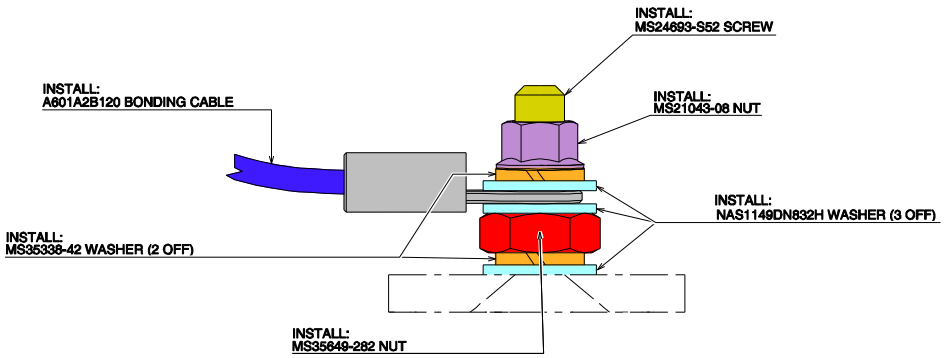
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE

Figure 43



DETAIL C

STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE

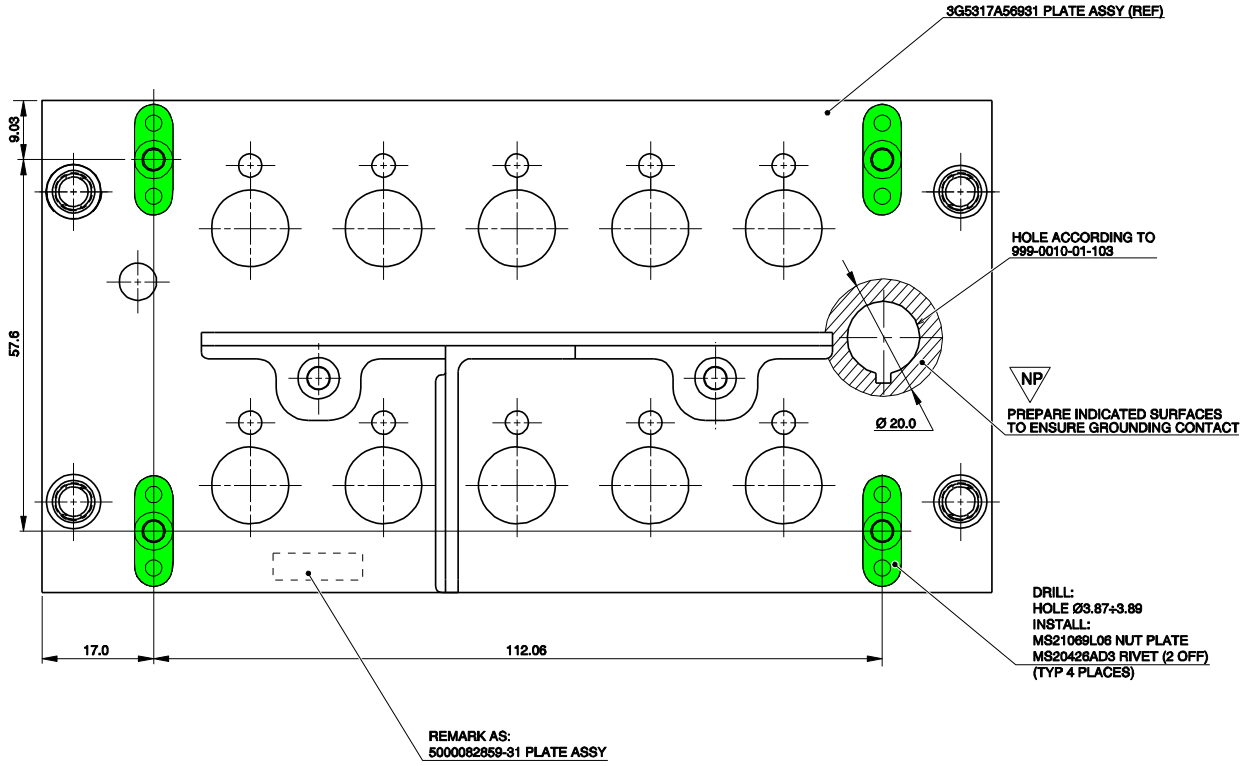


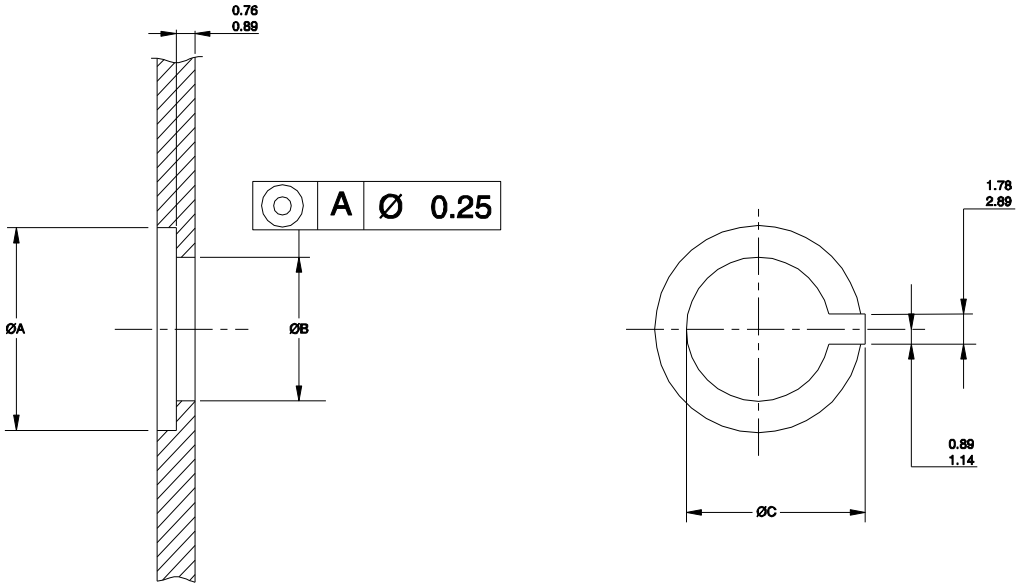
DETAIL D

STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE

Figure 44

REWORK DETAIL
3G5317A56931 PLATE ASSY





A	B	C
14.27 14.50	11.48 11.66	12.82 13.08

999-0010-01-103

Figure 45

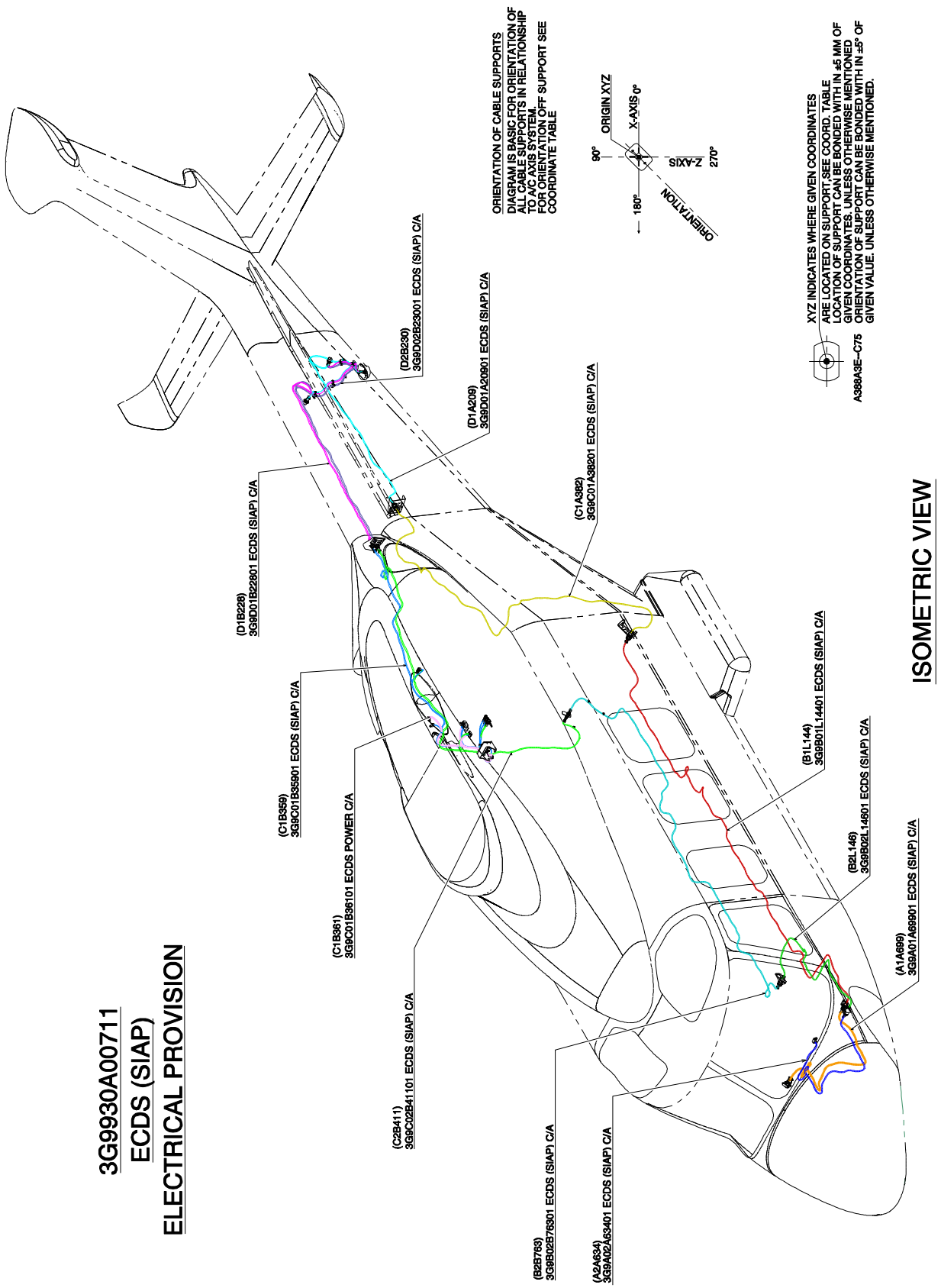

3G9930A00711
ECDS (SIAP)
ELECTRICAL PROVISION
ISOMETRIC VIEW
ORIENTATION OF CABLE SUPPORTS
DIAGRAM IS BASIC FOR ORIENTATION OF ALL CABLE SUPPORTS IN RELATIONSHIP TO A/C AXIS SYSTEM.
FOR ORIENTATION OFF SUPPORT SEE COORDINATE TABLE
ORIGIN XYZ
X-AXIS 0°
Z-AXIS
90°
180°
270°
ORIENTATION
XYZ INDICATES WHERE GIVEN COORDINATES ARE LOCATED ON SUPPORT. SEE COORD. TABLE
LOCATION OF SUPPORT CAN BE BONDED WITH IN ±5 MM OF GIVEN COORDINATES. UNLESS OTHERWISE MENTIONED
ORIENTATION OF SUPPORT CAN BE BONDED WITH IN ±5° OF GIVEN VALUE. UNLESS OTHERWISE MENTIONED.
A368A3E--C75
(D2B230) 3G9D02B23001 ECDS (SIAP) C/A
(D1A209) 3G9D01A20901 ECDS (SIAP) C/A
(C1A382) 3G9C01A38201 ECDS (SIAP) C/A
(D1B228) 3G9D01B22801 ECDS (SIAP) C/A
(C1B359) 3G9C01B35901 ECDS (SIAP) C/A
(C1B361) 3G9C01B36101 ECDS POWER C/A
(C2B411) 3G9C02B41101 ECDS (SIAP) C/A
(B2S763) 3G9B02S76301 ECDS (SIAP) C/A
(A2A634) 3G9A02A63401 ECDS (SIAP) C/A
(B1L144) 3G9B01L14401 ECDS (SIAP) C/A
(B2L146) 3G9B02L14601 ECDS (SIAP) C/A
(A1A699) 3G9A01A69901 ECDS (SIAP) C/A

Figure 46

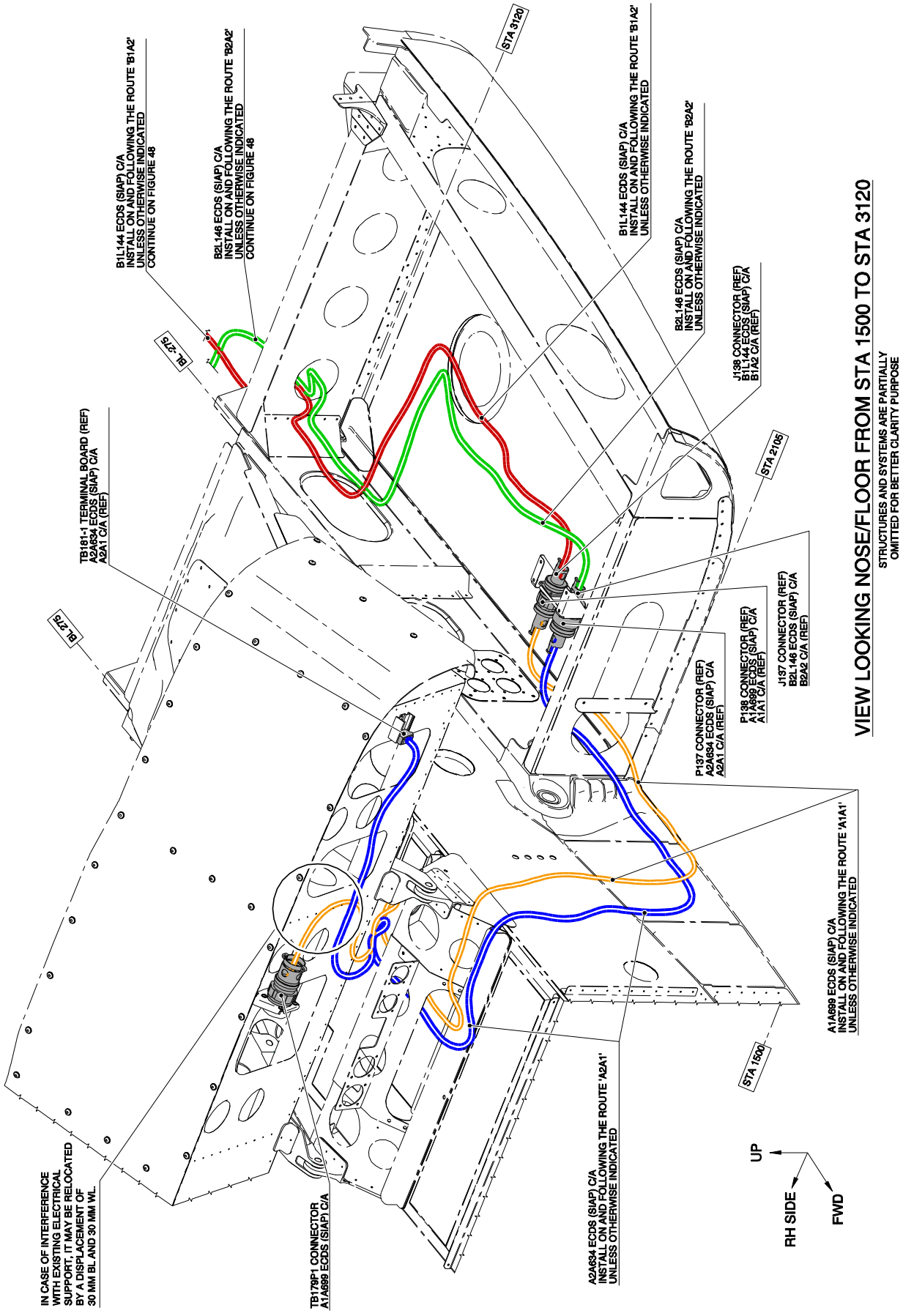

VIEW LOOKING NOSE/FLOOR FROM STA 1500 TO STA 3120
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
STA 3120
STA 2105
STA 1500
BL -275
BL -275
B1L144 ECDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B1A2'
UNLESS OTHERWISE INDICATED
CONTINUE ON FIGURE 48
B2L146 ECDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B2A2'
UNLESS OTHERWISE INDICATED
CONTINUE ON FIGURE 48
B1L144 ECDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B1A2'
UNLESS OTHERWISE INDICATED
B2L146 ECDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B2A2'
UNLESS OTHERWISE INDICATED
J139 CONNECTOR (REF)
B1L144 ECDS (SIAP) C/A
B1A2 C/A (REF)
TB181-1 TERMINAL BOARD (REF)
A2A634 ECDS (SIAP) C/A
A2A1 C/A (REF)
P138 CONNECTOR (REF)
A1A699 ECDS (SIAP) C/A
A1A1 C/A (REF)
J137 CONNECTOR (REF)
B2L146 ECDS (SIAP) C/A
B2A2 C/A (REF)
P137 CONNECTOR (REF)
A2A634 ECDS (SIAP) C/A
A2A1 C/A (REF)
A1A699 ECDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'A1A1'
UNLESS OTHERWISE INDICATED
IN CASE OF INTERFERENCE
WITH EXISTING ELECTRICAL
SUPPORT, IT MAY BE RELOCATED
BY A DISPLACEMENT OF
30 MM BL AND 30 MM WL.
TB179P1 CONNECTOR
A1A699 ECDS (SIAP) C/A
A2A634 ECDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'A2A1'
UNLESS OTHERWISE INDICATED
UP
RH SIDE
FWD

Figure 47

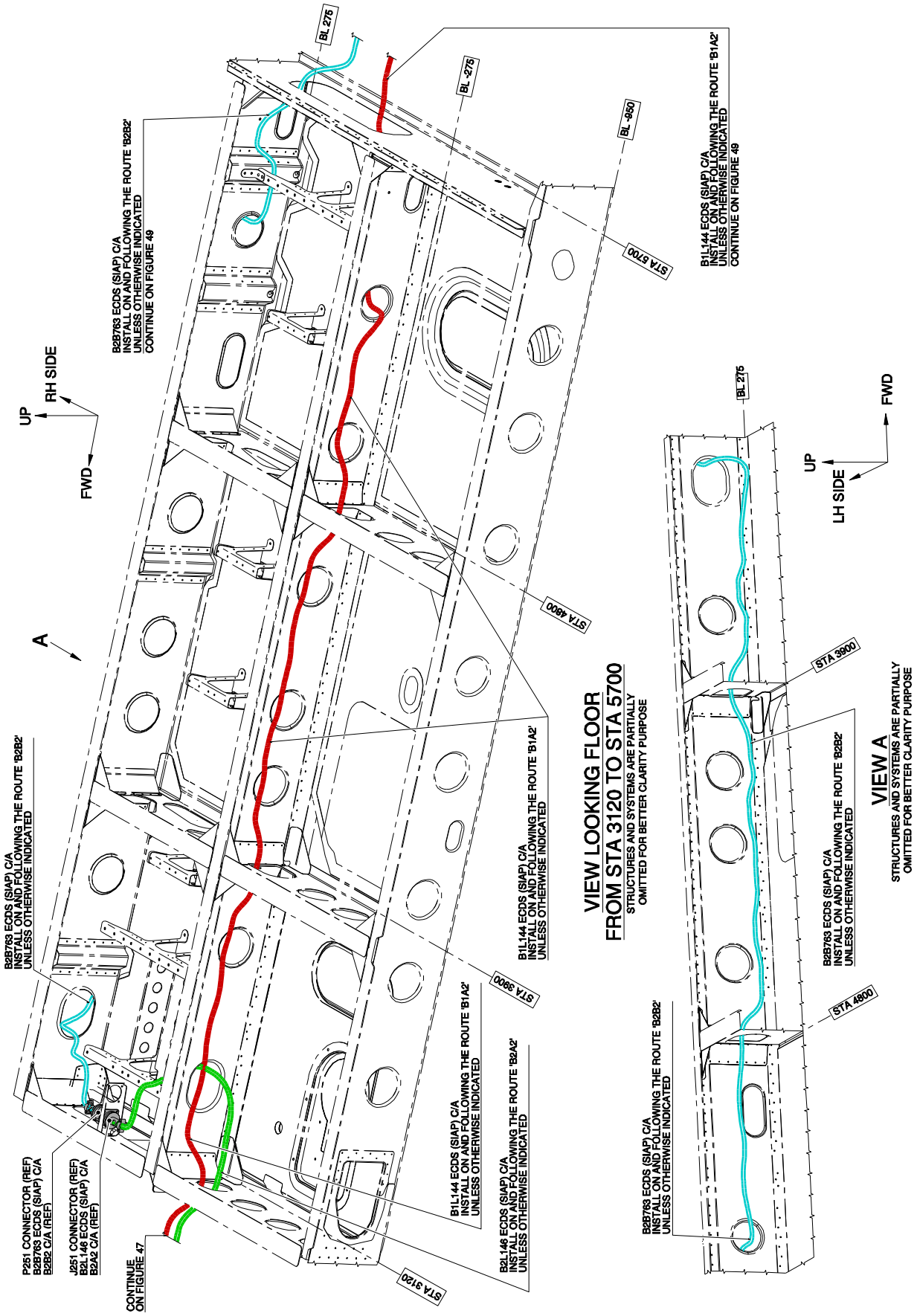

VIEW LOOKING FLOOR
FROM STA 3120 TO STA 5700
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE
VIEW A
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE
UP
RH SIDE
FWD
A
UP
LH SIDE
FWD
BL 275
BL -275
BL -950
STA 5700
STA 4600
STA 3900
STA 3120
STA 5900
STA 4600
B2B763 ECDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B2B2'
UNLESS OTHERWISE INDICATED
CONTINUE ON FIGURE 49
B1L144 ECDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B1A2'
UNLESS OTHERWISE INDICATED
CONTINUE ON FIGURE 49
B2B763 ECDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B2B2'
UNLESS OTHERWISE INDICATED
B1L144 ECDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B1A2'
UNLESS OTHERWISE INDICATED
B2L146 ECDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B2A2'
UNLESS OTHERWISE INDICATED
P251 CONNECTOR (REF)
B2B763 ECDS (SIAP) C/A
B2B2 C/A (REF)
J251 CONNECTOR (REF)
B2L146 ECDS (SIAP) C/A
B2A2 C/A (REF)
CONTINUE
ON FIGURE 47
B2B763 ECDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B2B2'
UNLESS OTHERWISE INDICATED
B2B763 ECDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B2B2'
UNLESS OTHERWISE INDICATED

Figure 48

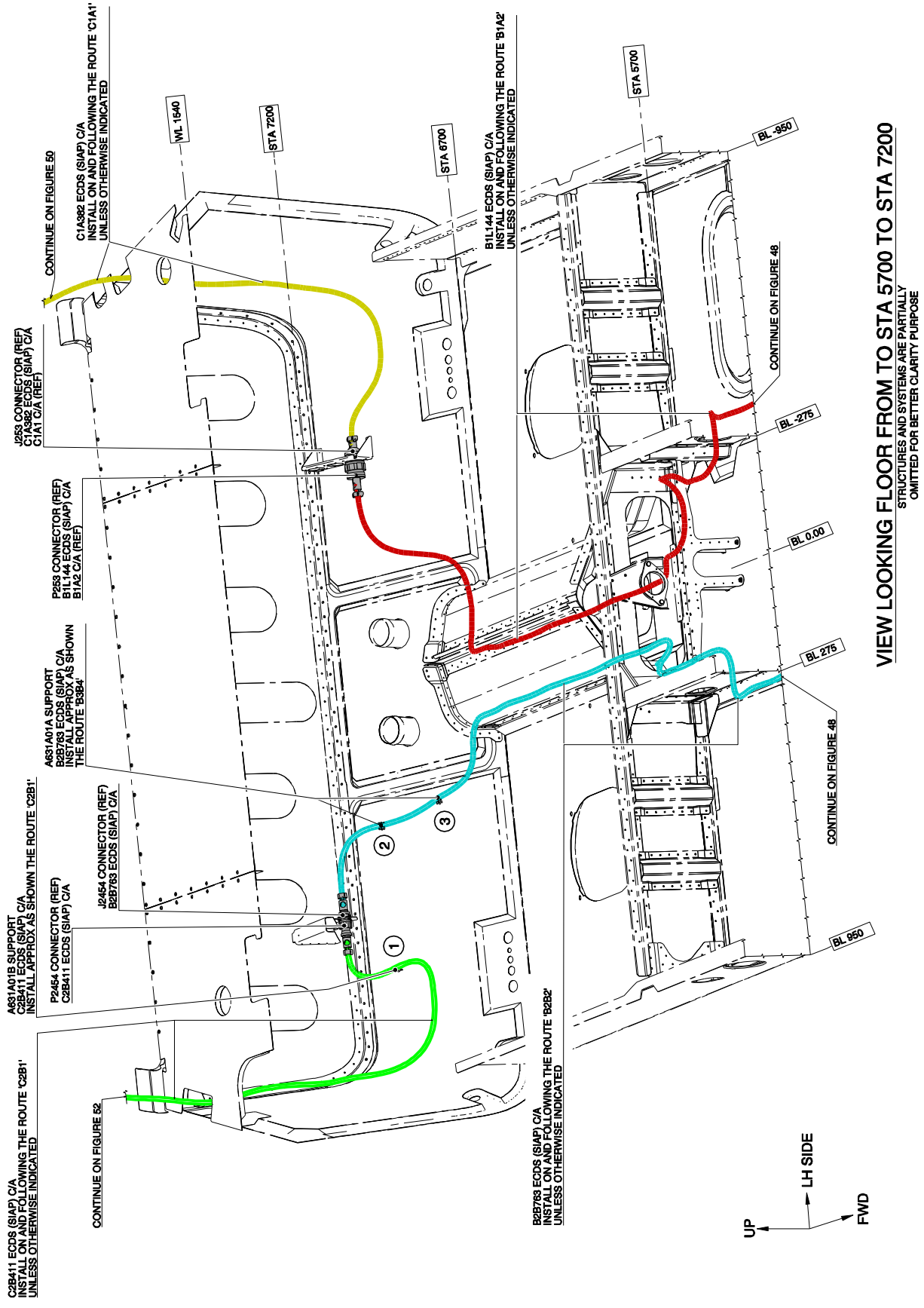

VIEW LOOKING FLOOR FROM TO STA 5700 TO STA 7200
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
WL 1540
STA 7200
STA 6700
STA 5700
BL -950
BL -275
BL 0.00
BL 275
BL 950
CONTINUE ON FIGURE 50
C1A382 ECDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'C1A1'
UNLESS OTHERWISE INDICATED
B1L144 ECDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B1A2'
UNLESS OTHERWISE INDICATED
CONTINUE ON FIGURE 48
J253 CONNECTOR (REF)
C1A382 ECDS (SIAP) C/A
C1A1 C/A (REF)
P253 CONNECTOR (REF)
B1L144 ECDS (SIAP) C/A
B1A2 C/A (REF)
A631A01A SUPPORT
B2B763 ECDS (SIAP) C/A
INSTALL APPROX AS SHOWN
THE ROUTE 'B3B4'
J2454 CONNECTOR (REF)
B2B763 ECDS (SIAP) C/A
A631A01B SUPPORT
C2B411 ECDS (SIAP) C/A
INSTALL APPROX AS SHOWN THE ROUTE 'C2B1'
P2454 CONNECTOR (REF)
C2B411 ECDS (SIAP) C/A
CONTINUE ON FIGURE 48
CONTINUE ON FIGURE 52
C2B411 ECDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'C2B1'
UNLESS OTHERWISE INDICATED
B2B763 ECDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B2B2'
UNLESS OTHERWISE INDICATED
1
2
3
UP
LH SIDE
FWD

Figure 49

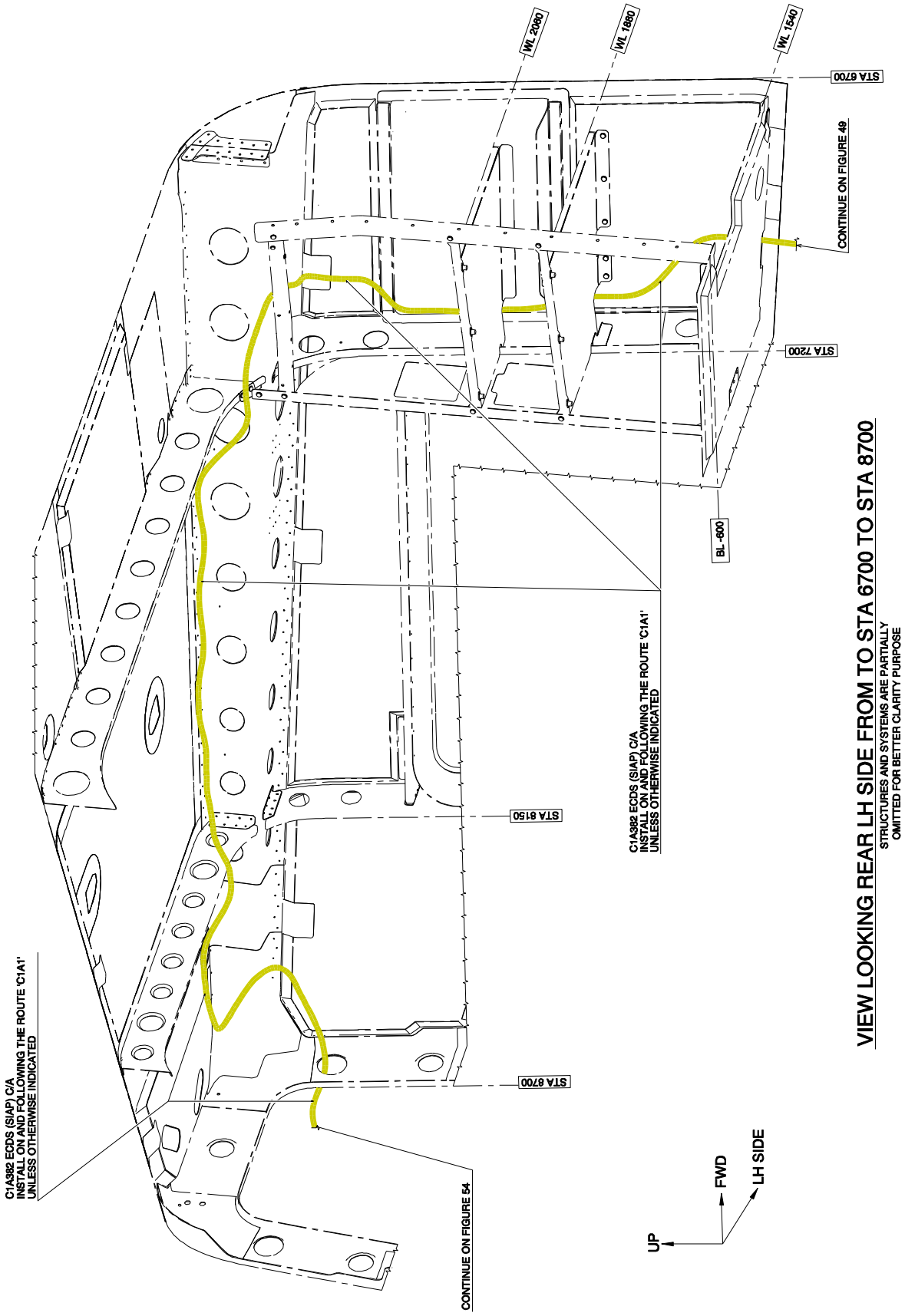

WL 2060
WL 1880
WL 1540
STA 6700
CONTINUE ON FIGURE 49
STA 7200
BL -600
STA 8150
STA 8700
C1A382 ECDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'C1A1'
UNLESS OTHERWISE INDICATED
C1A382 ECDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'C1A1'
UNLESS OTHERWISE INDICATED
CONTINUE ON FIGURE 54
UP
FWD
LH SIDE
VIEW LOOKING REAR LH SIDE FROM TO STA 6700 TO STA 8700
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE

Figure 50

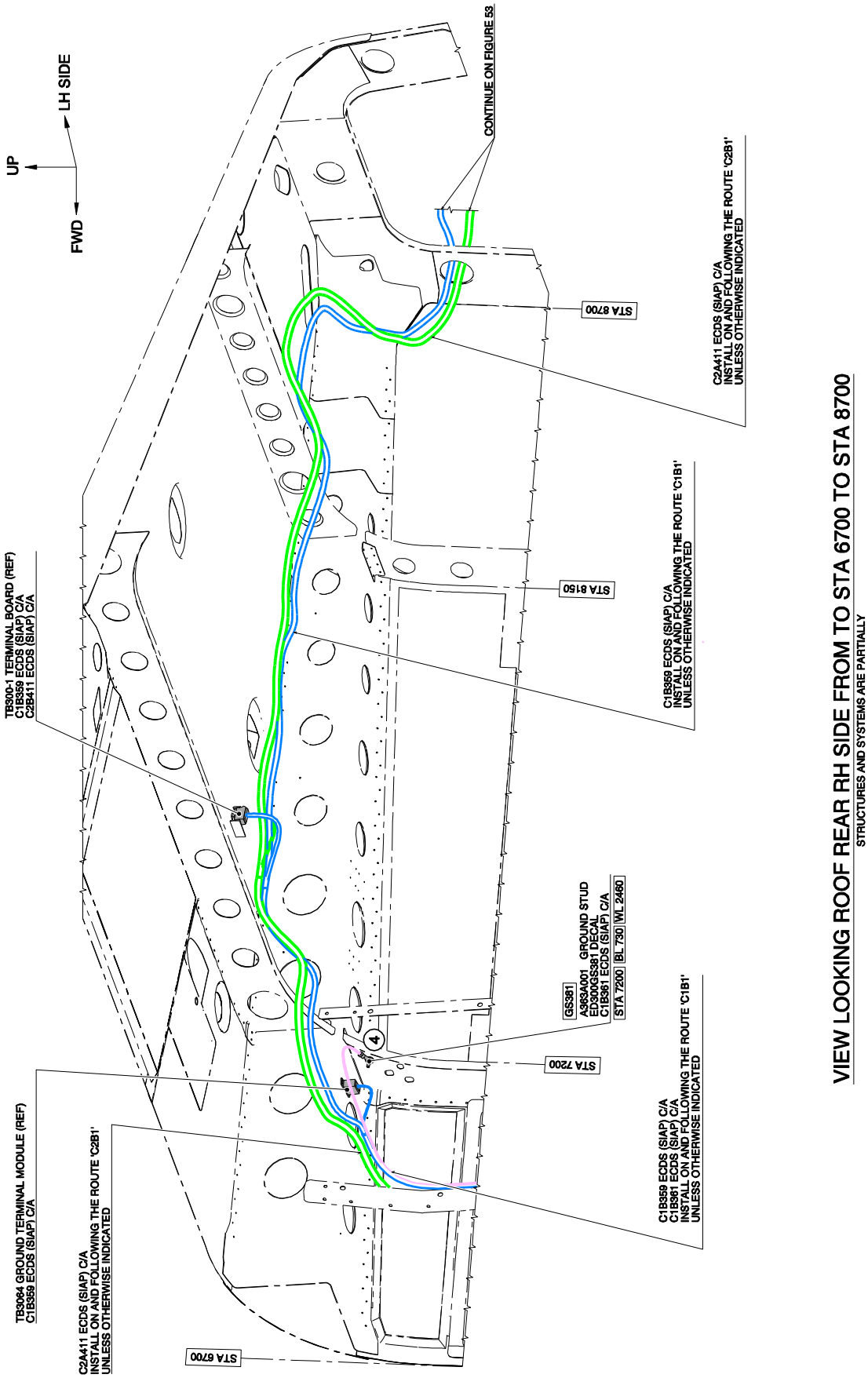
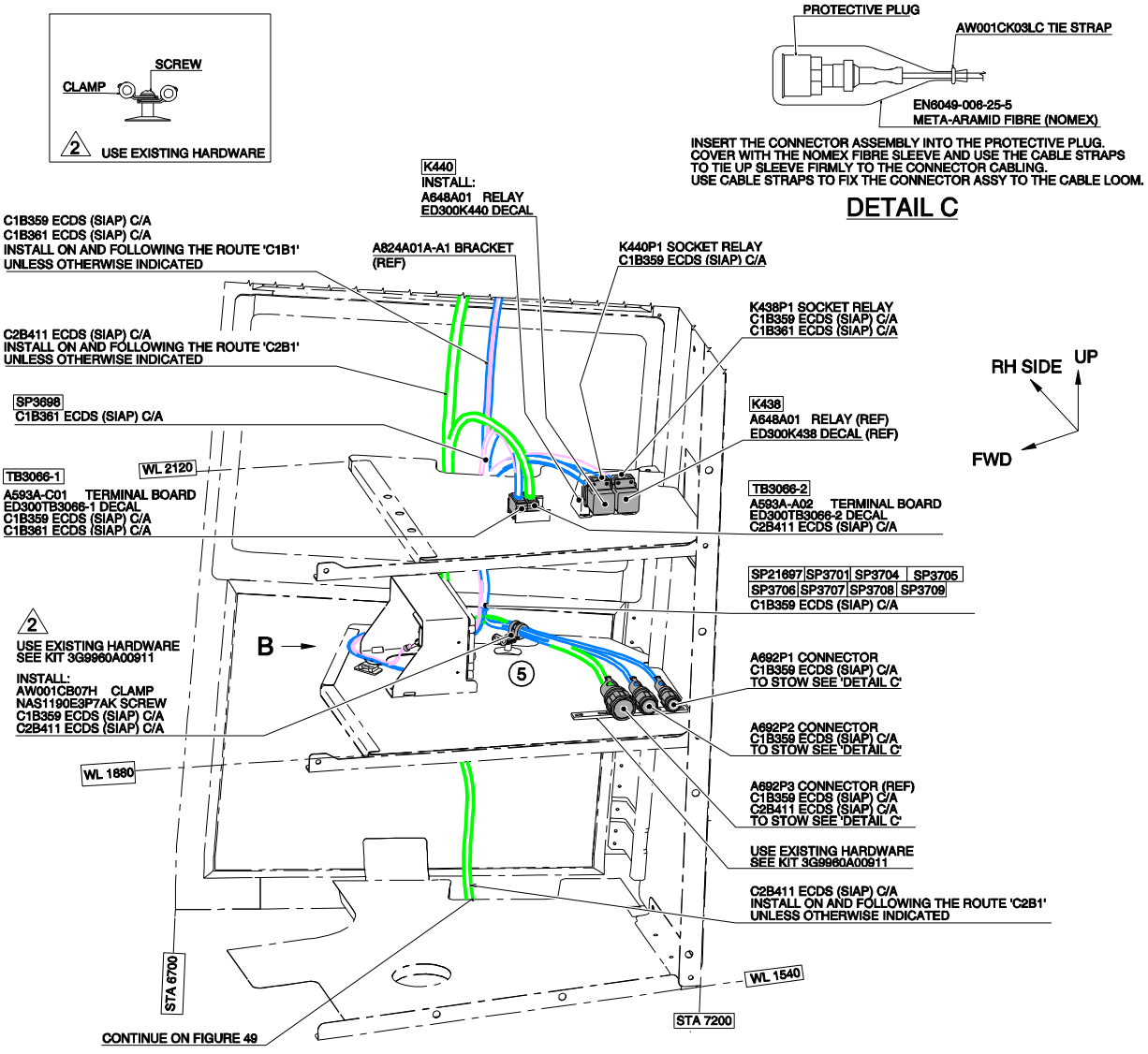
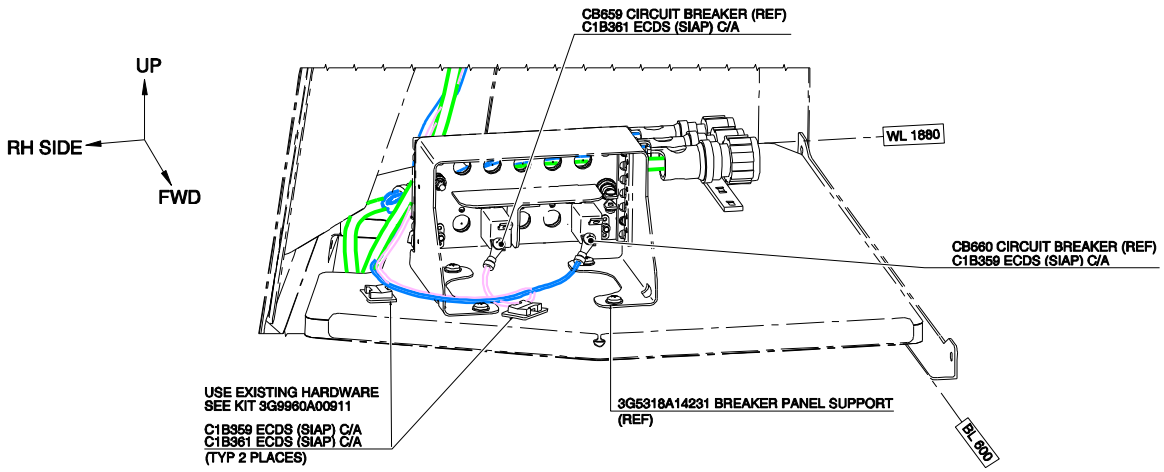

VIEW LOOKING ROOF REAR RH SIDE FROM TO STA 6700 TO STA 8700
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
UP
LH SIDE
FWD
CONTINUE ON FIGURE 53
STA 8700
STA 8150
STA 7200
STA 6700
TB3064 GROUND TERMINAL MODULE (REF)
C1B359 ECDS (SIAP) C/A
TB3001 TERMINAL BOARD (REF)
C1B359 ECDS (SIAP) C/A
C2B411 ECDS (SIAP) C/A
C2A411 ECDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'C2B1'
UNLESS OTHERWISE INDICATED
C1B359 ECDS (SIAP) C/A
C1B361 ECDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'C1B1'
UNLESS OTHERWISE INDICATED
C1B360 ECDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'C1B1'
UNLESS OTHERWISE INDICATED
GS381
A383A001 GROUND STUD
ED3300S381 DECAL
C1B361 ECDS (SIAP) C/A
STA 7200 BL 730 WL 2460
4

Figure 51



VIEW LOOKING BAY RH SIDE

STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE



VIEW B

STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE

Figure 52

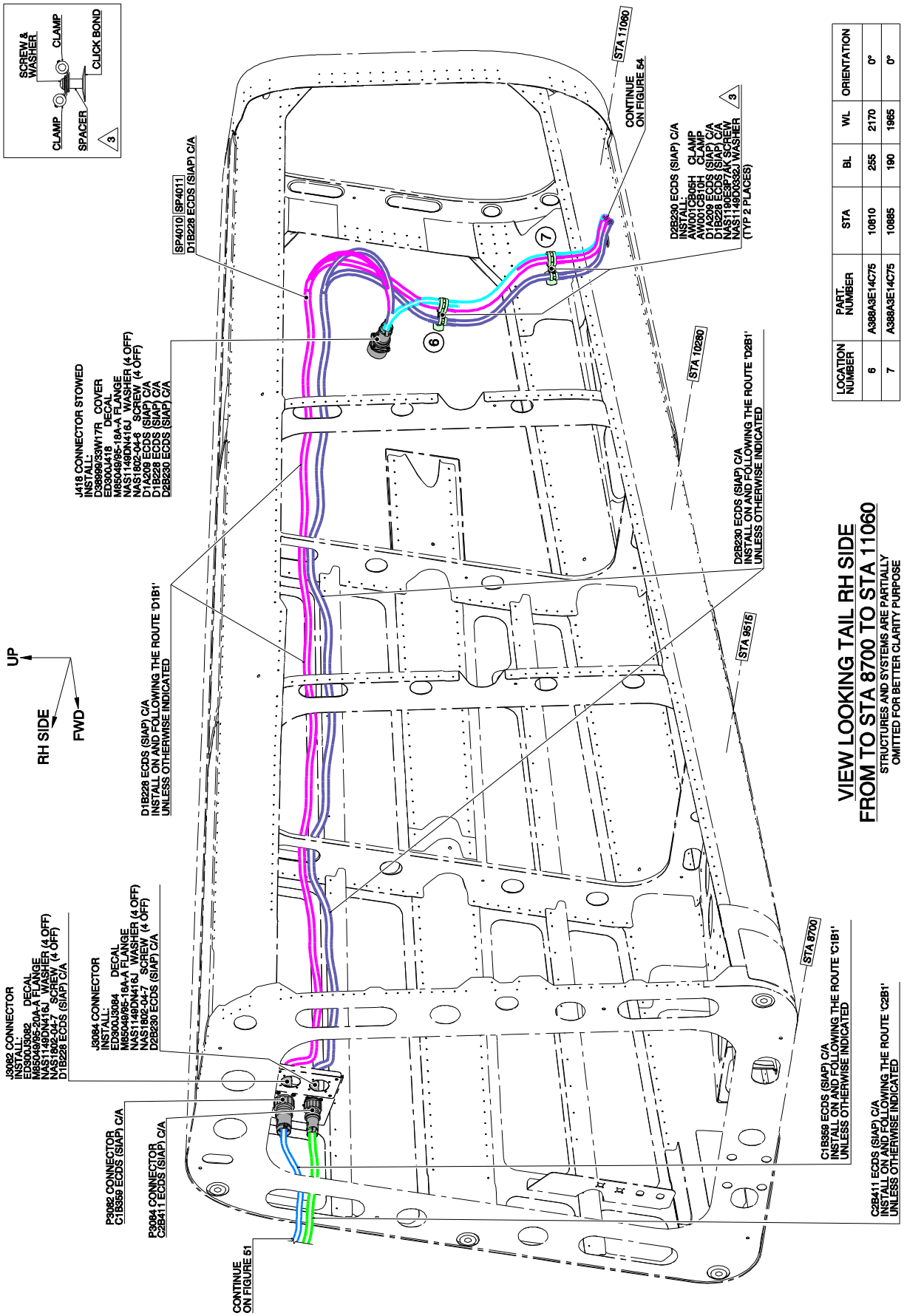

VIEW LOOKING TAIL RH SIDE
FROM TO STA 8700 TO STA 11060
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
UP
RH SIDE
FWD
STA 11060
STA 10260
STA 9515
STA 8700
CONTINUE ON FIGURE 54
CONTINUE ON FIGURE 51
LOCATION NUMBER | PART NUMBER | STA | BL | WL | ORIENTATION
6 | A388A3E14C75 | 10810 | 255 | 2170 | 0°
7 | A388A3E14C75 | 10885 | 190 | 1965 | 0°

Figure 53

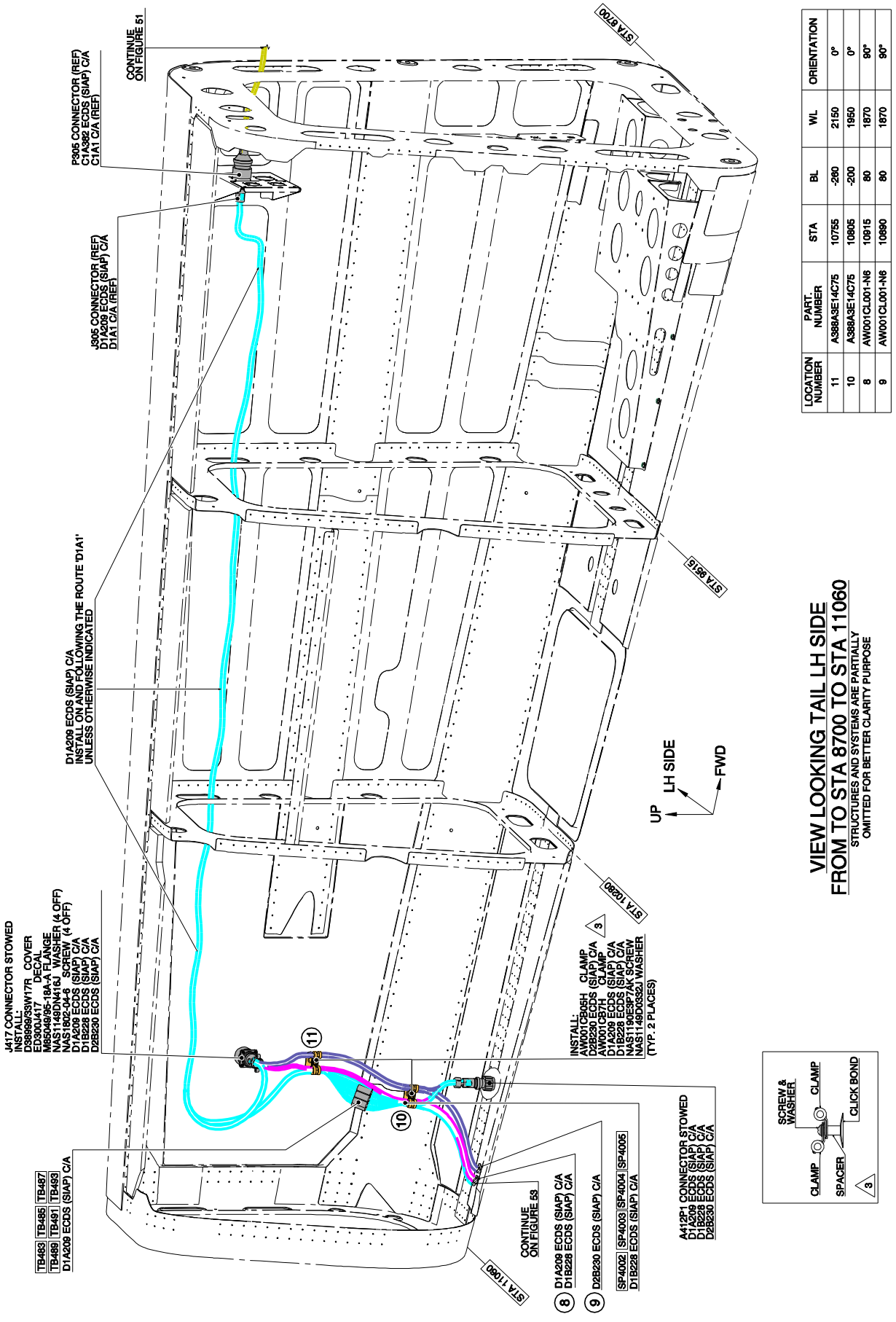

VIEW LOOKING TAIL LH SIDE
FROM TO STA 8700 TO STA 11060
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
LOCATION NUMBER | PART NUMBER | STA | BL | WL | ORIENTATION
11 | A388A3E14C75 | 10755 | -260 | 2150 | 0°
10 | A388A3E14C75 | 10805 | -200 | 1950 | 0°
8 | AW001CL001-N6 | 10915 | 80 | 1870 | 90°
9 | AW001CL001-N6 | 10990 | 80 | 1870 | 90°
STA 8700
STA 9515
STA 10290
STA 11060
UP
LH SIDE
FWD
CONTINUE ON FIGURE 51
P305 CONNECTOR (REF) C1A392 ECDS (SIAP) C/A C1A1 C/A (REF)
J305 CONNECTOR (REF) D1A209 ECDS (SIAP) C/A D1A1 C/A (REF)
D1A209 ECDS (SIAP) C/A INSTALL ON AND FOLLOWING THE ROUTE 'D1A1' UNLESS OTHERWISE INDICATED
J417 CONNECTOR STOWED
INSTALL:
D38999/33W17R COVER
ED3000417 DECAL
M85049/85-18A-1 FLANGE
NAS1149D0416J WASHER (4 OFF)
NAS1802-04-6 SCREW (4 OFF)
D1A209 ECDS (SIAP) C/A
D1B228 ECDS (SIAP) C/A
D2B230 ECDS (SIAP) C/A
TB483 TB485 TB487
TB489 TB491 TB493
D1A209 ECDS (SIAP) C/A
INSTALL:
AW001CB05H CLAMP
D2B230 ECDS (SIAP) C/A
AW001CB07H CLAMP
D1A209 ECDS (SIAP) C/A
D1B228 ECDS (SIAP) C/A
NAS1149DS0332J WASHER
(TYP. 2 PLACES)
A412P1 CONNECTOR STOWED
D1A209 ECDS (SIAP) C/A
D1B228 ECDS (SIAP) C/A
D2B230 ECDS (SIAP) C/A
SCREW & WASHER
CLAMP
CLAMP
SPACER
CLICK BOND
CONTINUE ON FIGURE 53
D1A209 ECDS (SIAP) C/A
D1B228 ECDS (SIAP) C/A
D2B230 ECDS (SIAP) C/A
SP4002 SP4003 SP4004 SP4005
D1B228 ECDS (SIAP) C/A

Figure 54

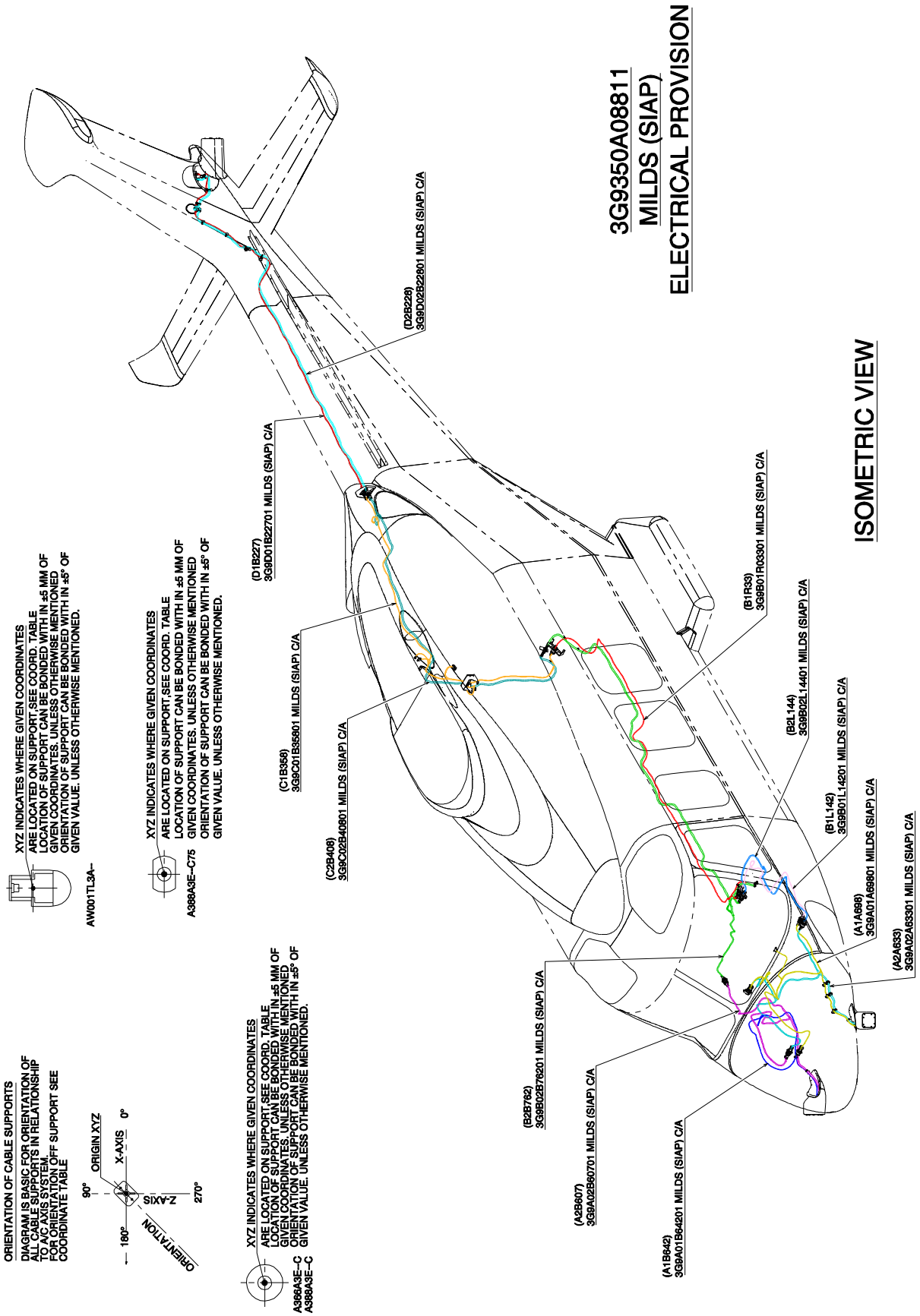

3G9350A08811
MILDS (SIAP)
ELECTRICAL PROVISION
ISOMETRIC VIEW
(D2B226)
3G9D02B22601 MILDS (SIAP) C/A
(D1B227)
3G9D01B22701 MILDS (SIAP) C/A
(C1B356)
3G9C01B35601 MILDS (SIAP) C/A
(C2B408)
3G9C02B40801 MILDS (SIAP) C/A
(B1R33)
3G9B01R03301 MILDS (SIAP) C/A
(B2L144)
3G9B02L14401 MILDS (SIAP) C/A
(B1L142)
3G9B01L14201 MILDS (SIAP) C/A
(A1A698)
3G9A01A69801 MILDS (SIAP) C/A
(A2A633)
3G9A02A63301 MILDS (SIAP) C/A
(B2B762)
3G9B02B76201 MILDS (SIAP) C/A
(A2B607)
3G9A02B60701 MILDS (SIAP) C/A
(A1B642)
3G9A01B64201 MILDS (SIAP) C/A
ORIENTATION OF CABLE SUPPORTS
DIAGRAM IS BASIC FOR ORIENTATION OF ALL CABLE SUPPORTS IN RELATIONSHIP TO A/C AXIS SYSTEM.
FOR ORIENTATION OF EACH CUT-OFF SUPPORT SEE COORDINATE TABLE
ORIGIN XYZ
X-AXIS
Z-AXIS
90°
0°
180°
270°
ORIENTATION
XYZ INDICATES WHERE GIVEN COORDINATES ARE LOCATED ON SUPPORT, SEE COORD. TABLE LOCATION OF SUPPORT CAN BE BONDED WITH IN ±5 MM OF GIVEN COORDINATES. UNLESS OTHERWISE MENTIONED ORIENTATION OF SUPPORT CAN BE BONDED WITH IN ±5° OF GIVEN VALUE. UNLESS OTHERWISE MENTIONED.
AW001T13A–
XYZ INDICATES WHERE GIVEN COORDINATES ARE LOCATED ON SUPPORT, SEE COORD. TABLE LOCATION OF SUPPORT CAN BE BONDED WITH IN ±5 MM OF GIVEN COORDINATES. UNLESS OTHERWISE MENTIONED ORIENTATION OF SUPPORT CAN BE BONDED WITH IN ±5° OF GIVEN VALUE. UNLESS OTHERWISE MENTIONED.
A366A3E–C75
XYZ INDICATES WHERE GIVEN COORDINATES ARE LOCATED ON SUPPORT, SEE COORD. TABLE LOCATION OF SUPPORT CAN BE BONDED WITH IN ±5 MM OF GIVEN COORDINATES. UNLESS OTHERWISE MENTIONED ORIENTATION OF SUPPORT CAN BE BONDED WITH IN ±5° OF GIVEN VALUE. UNLESS OTHERWISE MENTIONED.
A366A3E–C
A368A3E–C

Figure 55

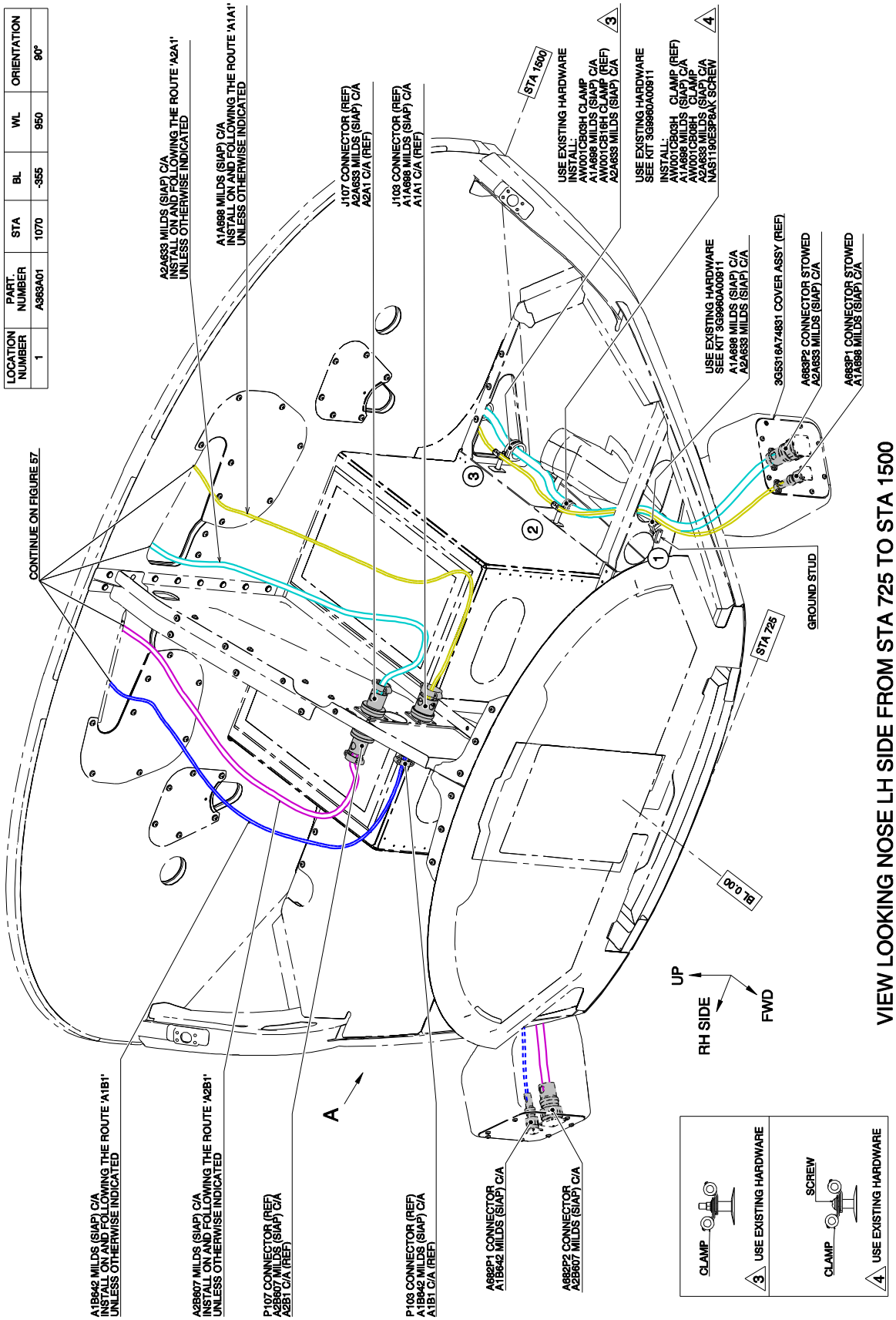

LOCATION NUMBER
PART NUMBER
STA
BL
WL
ORIENTATION
1
A383A01
1070
-355
950
90°
CONTINUE ON FIGURE 57
A2A633 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'A2A1'
UNLESS OTHERWISE INDICATED
A1A698 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'A1A1'
UNLESS OTHERWISE INDICATED
J107 CONNECTOR (REF)
A2A633 MILDS (SIAP) C/A
A2A1 C/A (REF)
J103 CONNECTOR (REF)
A1A699 MILDS (SIAP) C/A
A1A1 C/A (REF)
STA 1500
USE EXISTING HARDWARE
INSTALL:
AW001CB03H CLAMP
A1A698 MILDS (SIAP) C/A
AW001CB16H CLAMP (REF)
A2A633 MILDS (SIAP) C/A
3
USE EXISTING HARDWARE
SEE KIT 3G9980A00911
INSTALL:
AW001CB03H CLAMP (REF)
A1A698 MILDS (SIAP) C/A
AW001CB08H CLAMP
A2A633 MILDS (SIAP) C/A
NAS1190E3P8AK SCREW
4
USE EXISTING HARDWARE
SEE KIT 3G9980A00911
A1A698 MILDS (SIAP) C/A
A2A633 MILDS (SIAP) C/A
3G5316A74831 COVER ASSY (REF)
A683P2 CONNECTOR STOWED
A2A633 MILDS (SIAP) C/A
A683P1 CONNECTOR STOWED
A1A698 MILDS (SIAP) C/A
GROUND STUD
STA 725
BL 0.00
UP
RH SIDE
FWD
A
A1B842 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'A1B1'
UNLESS OTHERWISE INDICATED
A2B607 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'A2B1'
UNLESS OTHERWISE INDICATED
P107 CONNECTOR (REF)
A2B607 MILDS (SIAP) C/A
A2B1 C/A (REF)
P103 CONNECTOR (REF)
A1B842 MILDS (SIAP) C/A
A1B1 C/A (REF)
A682P1 CONNECTOR
A1B642 MILDS (SIAP) C/A
A682P2 CONNECTOR
A2B607 MILDS (SIAP) C/A
CLAMP
3 USE EXISTING HARDWARE
SCREW
CLAMP
4 USE EXISTING HARDWARE
VIEW LOOKING NOSE LH SIDE FROM STA 725 TO STA 1500
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE

Figure 56

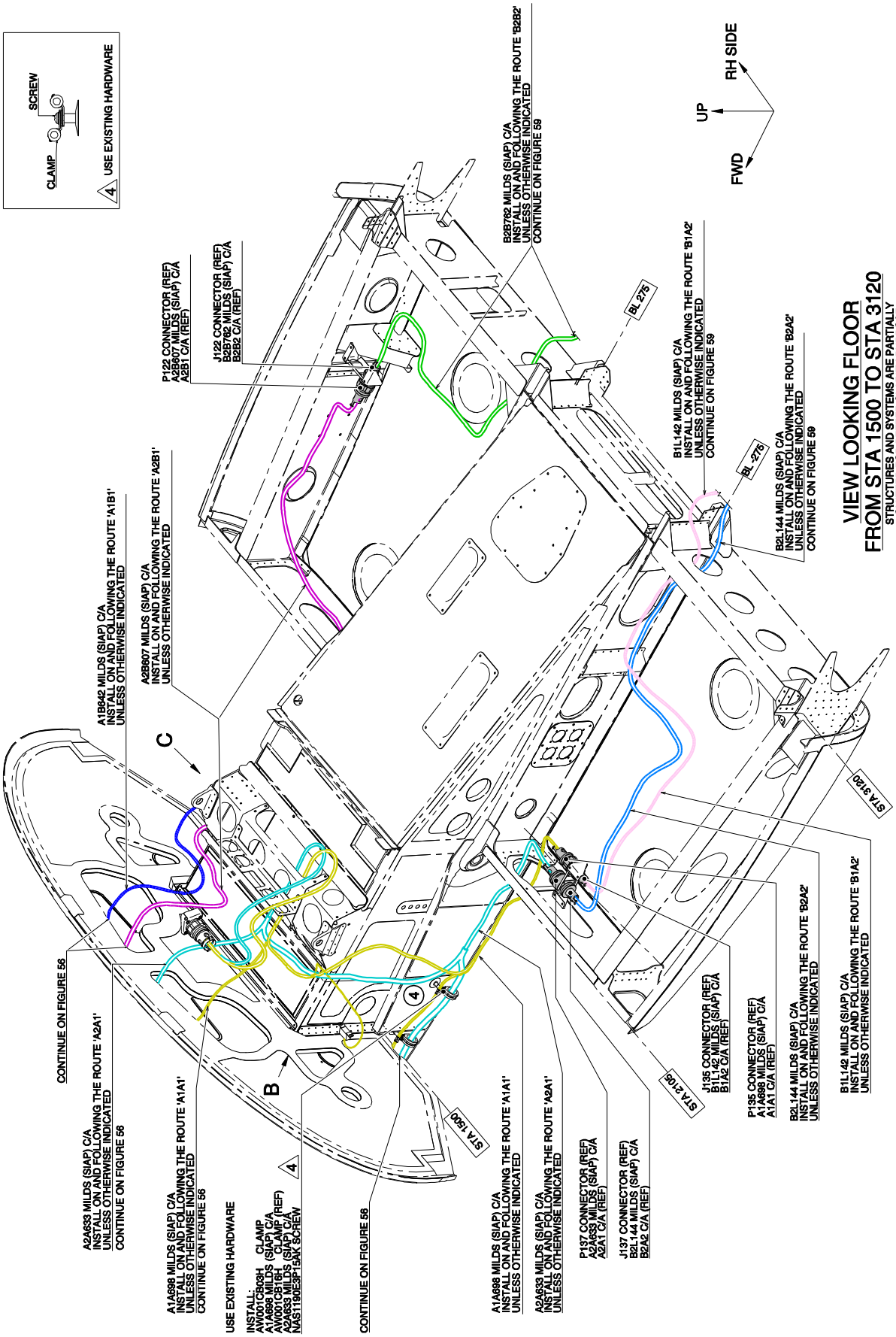

VIEW LOOKING FLOOR
FROM STA 1500 TO STA 3120
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
RH SIDE
UP
FWD
SCREW
CLAMP
4 USE EXISTING HARDWARE
P122 CONNECTOR (REF)
A2B607 MILDS (SIAP) C/A
A2B1 C/A (REF)
J122 CONNECTOR (REF)
B2B782 MILDS (SIAP) C/A
B2B2 C/A (REF)
B2B782 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B2B2'
UNLESS OTHERWISE INDICATED
CONTINUE ON FIGURE 59
BL 275
B1L142 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B1A2'
UNLESS OTHERWISE INDICATED
CONTINUE ON FIGURE 59
BL -275
B2L144 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B2A2'
UNLESS OTHERWISE INDICATED
CONTINUE ON FIGURE 59
A1B642 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'A1B1'
UNLESS OTHERWISE INDICATED
A2B607 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'A2B1'
UNLESS OTHERWISE INDICATED
C
B
CONTINUE ON FIGURE 56
A2A633 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'A2A1'
UNLESS OTHERWISE INDICATED
CONTINUE ON FIGURE 56
A1A698 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'A1A1'
UNLESS OTHERWISE INDICATED
CONTINUE ON FIGURE 56
USE EXISTING HARDWARE
INSTALL:
AWO01C803H CLAMP
A1A698 MILDS (SIAP) C/A
AWO01CB316H CLAMP (REF)
A2A633 MILDS (SIAP) C/A
NAS1190E3P15AK SCREW
4
CONTINUE ON FIGURE 56
STA 1500
A1A698 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'A1A1'
UNLESS OTHERWISE INDICATED
A2A633 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'A2A1'
UNLESS OTHERWISE INDICATED
P137 CONNECTOR (REF)
A2A633 MILDS (SIAP) C/A
A2A1 C/A (REF)
J137 CONNECTOR (REF)
B2L144 MILDS (SIAP) C/A
B2A2 C/A (REF)
STA 2105
J135 CONNECTOR (REF)
B1L142 MILDS (SIAP) C/A
B1A2 C/A (REF)
P135 CONNECTOR (REF)
A1A698 MILDS (SIAP) C/A
A1A1 C/A (REF)
B2L144 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B2A2'
UNLESS OTHERWISE INDICATED
B1L142 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B1A2'
UNLESS OTHERWISE INDICATED
STA 3120

Figure 57

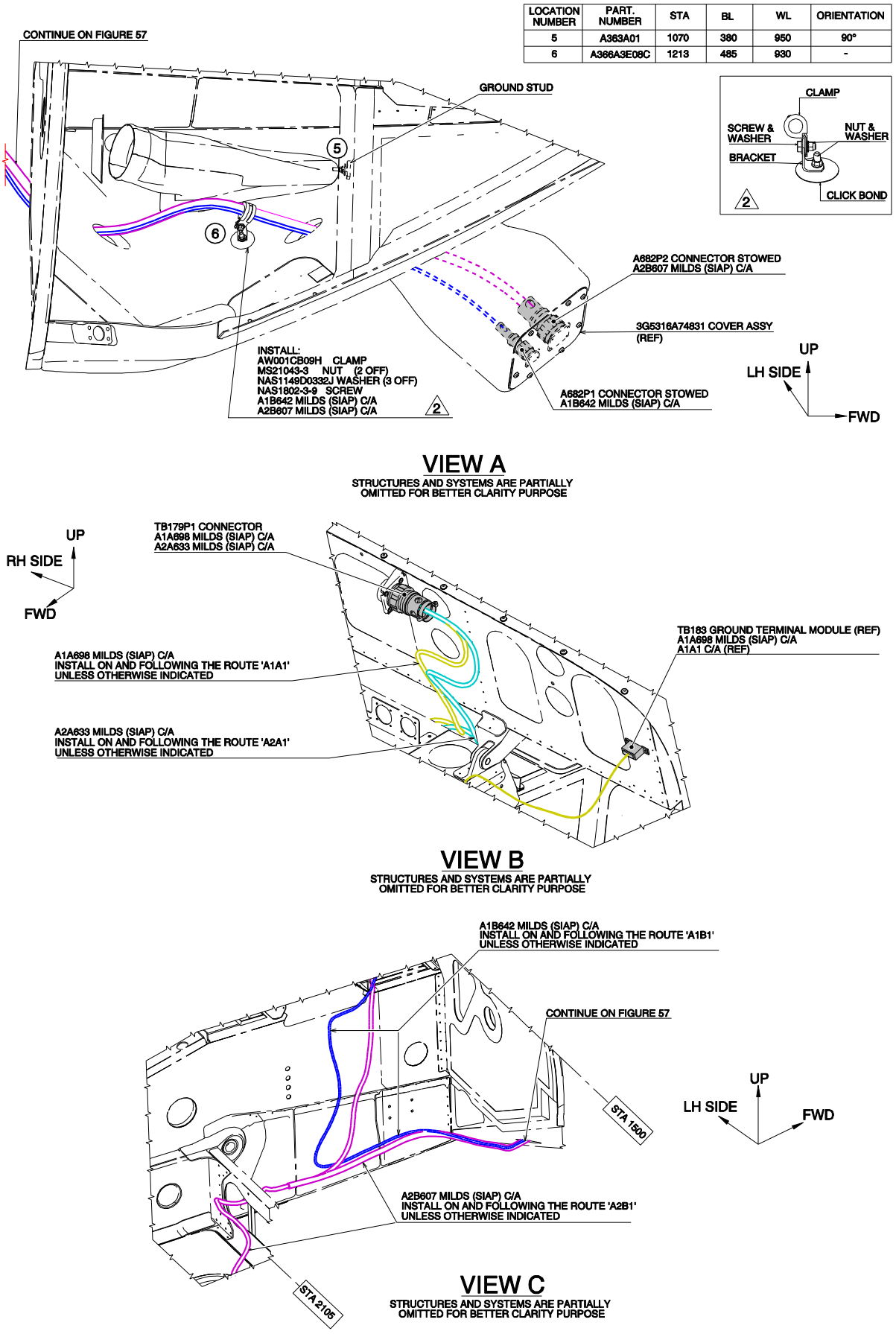
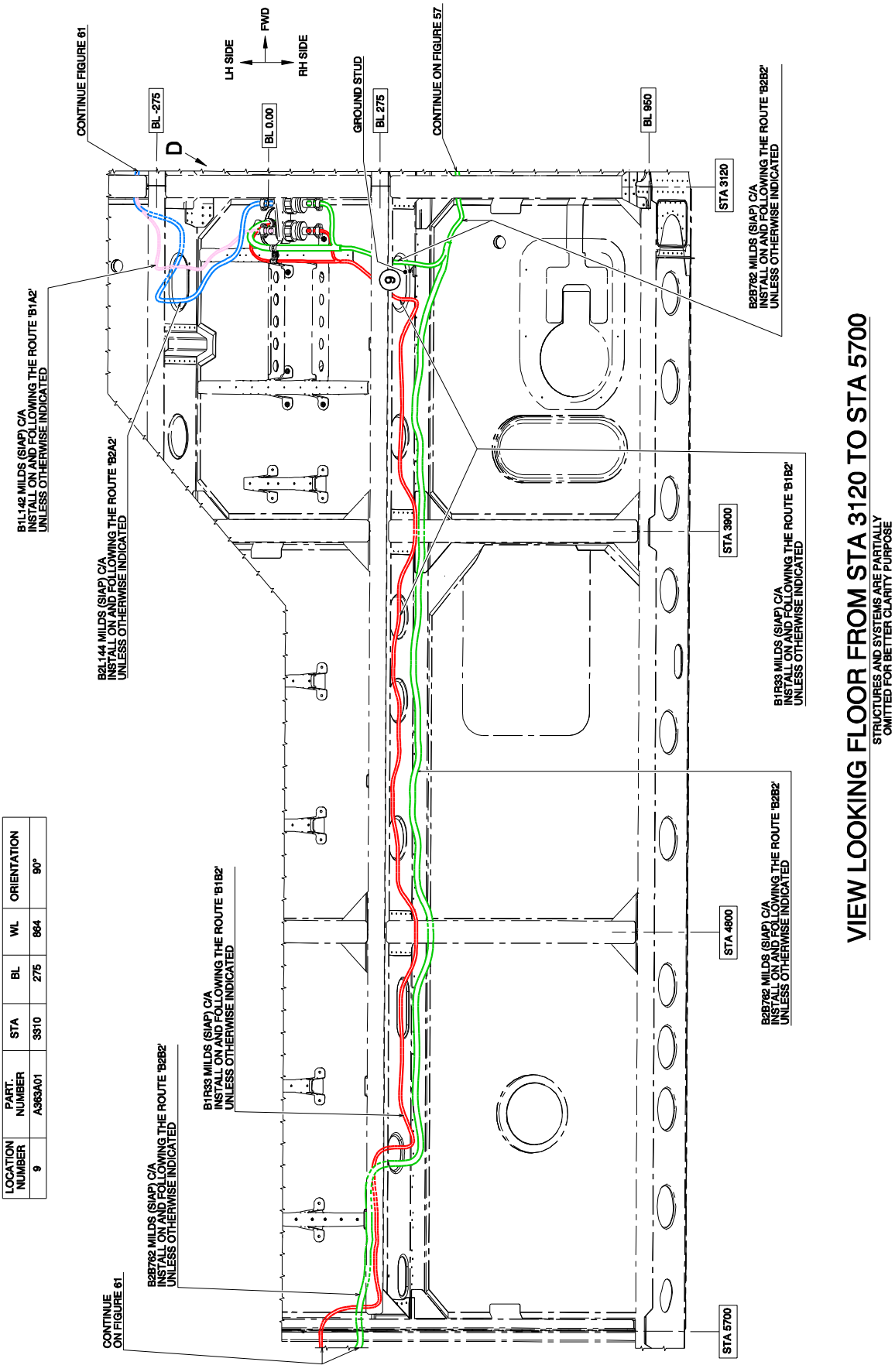

LOCATION NUMBER | PART. NUMBER | STA | BL | WL | ORIENTATION
5 | A363A01 | 1070 | 380 | 950 | 90°
6 | A366A3E08C | 1213 | 485 | 930 | -
CONTINUE ON FIGURE 57
GROUND STUD
CLAMP
SCREW & WASHER
NUT & WASHER
BRACKET
CLICK BOND
A682P2 CONNECTOR STOWED A2B607 MILDS (SIAP) C/A
3G5316A74831 COVER ASSY (REF)
INSTALL:
AW001CB09H CLAMP
MS21043-3 NUT (2 OFF)
NAS1149D0332J WASHER (3 OFF)
NAS1802-3-9 SCREW
A1B642 MILDS (SIAP) C/A
A2B607 MILDS (SIAP) C/A
A682P1 CONNECTOR STOWED A1B642 MILDS (SIAP) C/A
UP
LH SIDE
FWD
VIEW A
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
UP
RH SIDE
FWD
TB179P1 CONNECTOR A1A698 MILDS (SIAP) C/A A2A633 MILDS (SIAP) C/A
TB183 GROUND TERMINAL MODULE (REF) A1A698 MILDS (SIAP) C/A A1A1 C/A (REF)
A1A698 MILDS (SIAP) C/A INSTALL ON AND FOLLOWING THE ROUTE 'A1A1' UNLESS OTHERWISE INDICATED
A2A633 MILDS (SIAP) C/A INSTALL ON AND FOLLOWING THE ROUTE 'A2A1' UNLESS OTHERWISE INDICATED
VIEW B
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
A1B642 MILDS (SIAP) C/A INSTALL ON AND FOLLOWING THE ROUTE 'A1B1' UNLESS OTHERWISE INDICATED
CONTINUE ON FIGURE 57
STA 1500
UP
LH SIDE
FWD
A2B607 MILDS (SIAP) C/A INSTALL ON AND FOLLOWING THE ROUTE 'A2B1' UNLESS OTHERWISE INDICATED
STA 2105
VIEW C
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

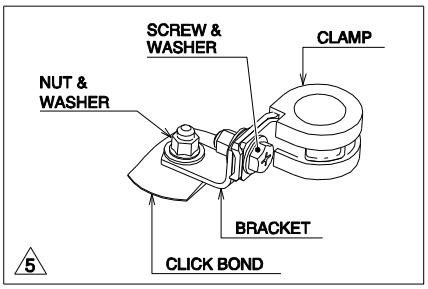
Figure 58

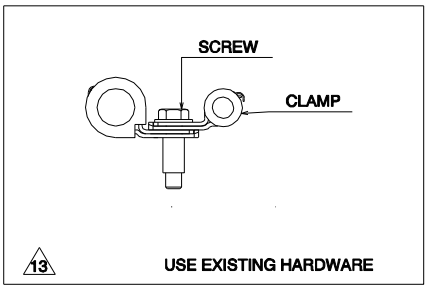


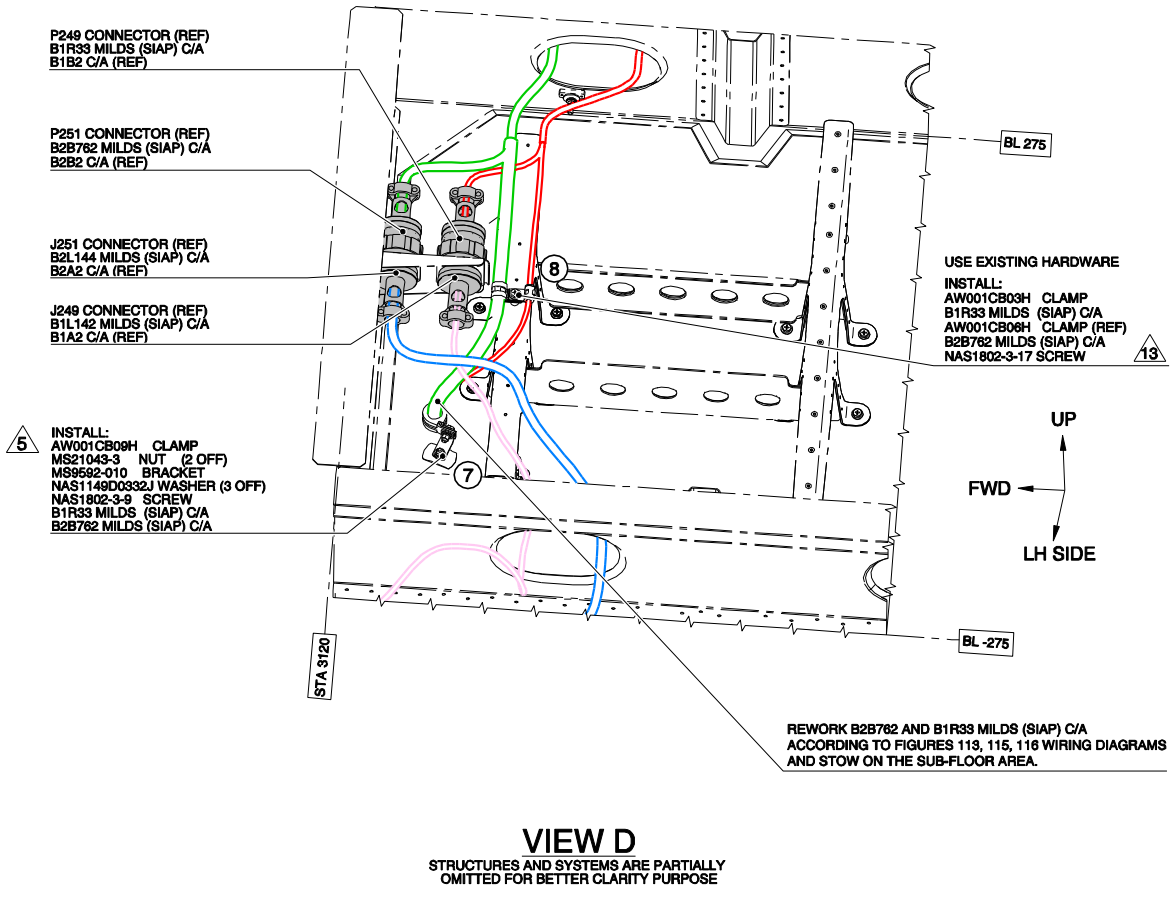
LOCATION NUMBER	PART NUMBER	STA	BL	WL	ORIENTATION
9	A363A01	3310	275	864	90°

Figure 59

LOCATION NUMBER	PART. NUMBER	STA	BL	WL	ORIENTATION
7	A366A3E08C75	3210	-120	844	45°







VIEW D

STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

Figure 60

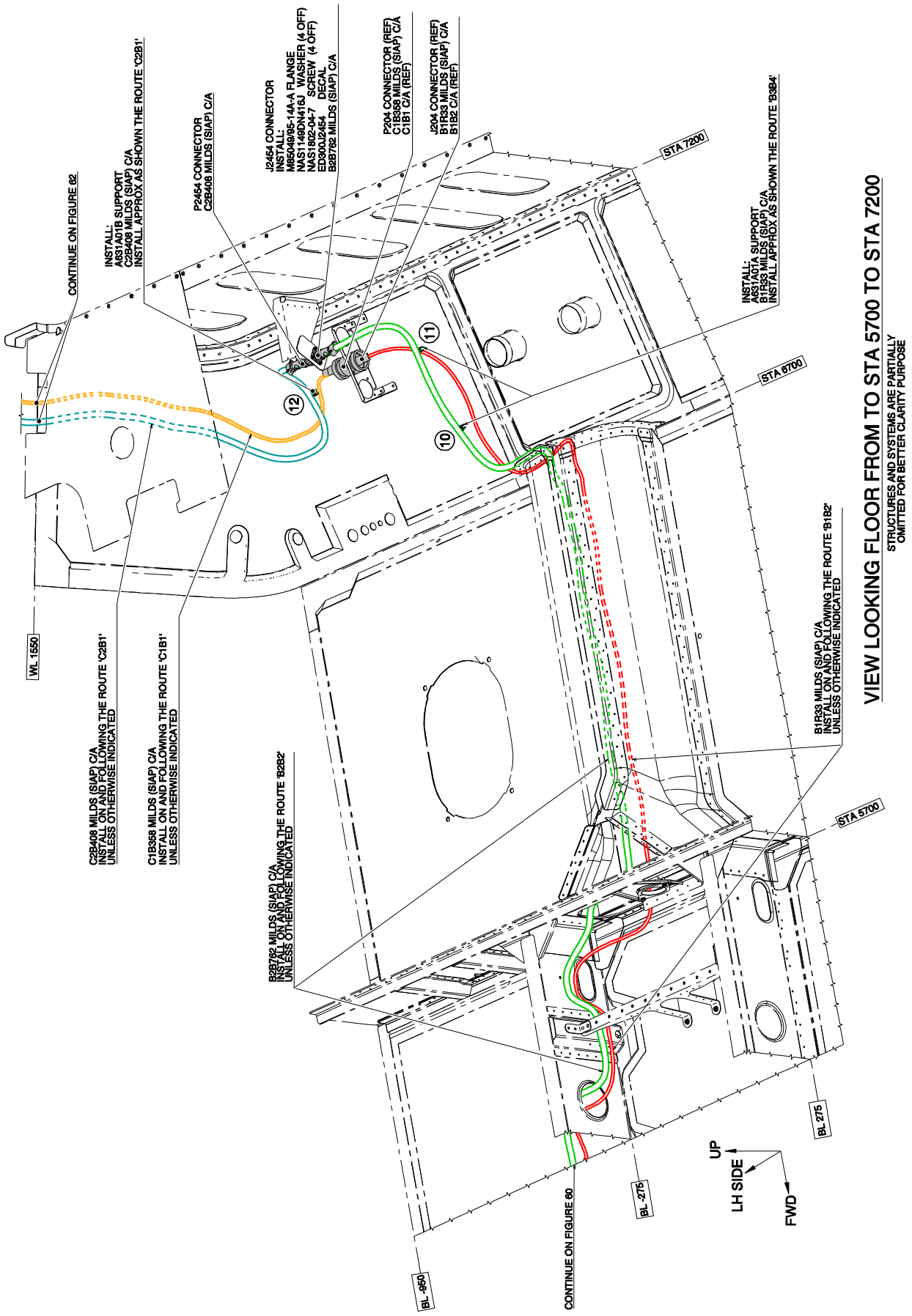

VIEW LOOKING FLOOR FROM TO STA 5700 TO STA 7200
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
STA 7200
STA 6700
STA 5700
WL 1550
BL -350
BL -275
BL 275
CONTINUE ON FIGURE 62
CONTINUE ON FIGURE 60
INSTALL:
A631A01B SUPPORT
C2B408 MILDS (SIAP) C/A
INSTALL APPROX AS SHOWN THE ROUTE 'C2B1'
P2454 CONNECTOR
C2B408 MILDS (SIAP) C/A
J2454 CONNECTOR
INSTALL:
M85049/95-14A-A FLANGE
NAS1149DN416J WASHER (4 OFF)
NAS1802-04-7 SCREW (4 OFF)
ED300/J2454 DECAL
B2B762 MILDS (SIAP) C/A
P204 CONNECTOR (REF)
C1B358 MILDS (SIAP) C/A
C1B1 C/A (REF)
J204 CONNECTOR (REF)
B1R33 MILDS (SIAP) C/A
B1B2 C/A (REF)
INSTALL:
A631A01A SUPPORT
B1R33 MILDS (SIAP) C/A
INSTALL APPROX AS SHOWN THE ROUTE 'B3B4'
C2B408 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'C2B1'
UNLESS OTHERWISE INDICATED
C1B358 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'C1B1'
UNLESS OTHERWISE INDICATED
B2B762 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B2B2'
UNLESS OTHERWISE INDICATED
B1R33 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'B1B2'
UNLESS OTHERWISE INDICATED
10
11
12
UP
LH SIDE
FWD

Figure 61

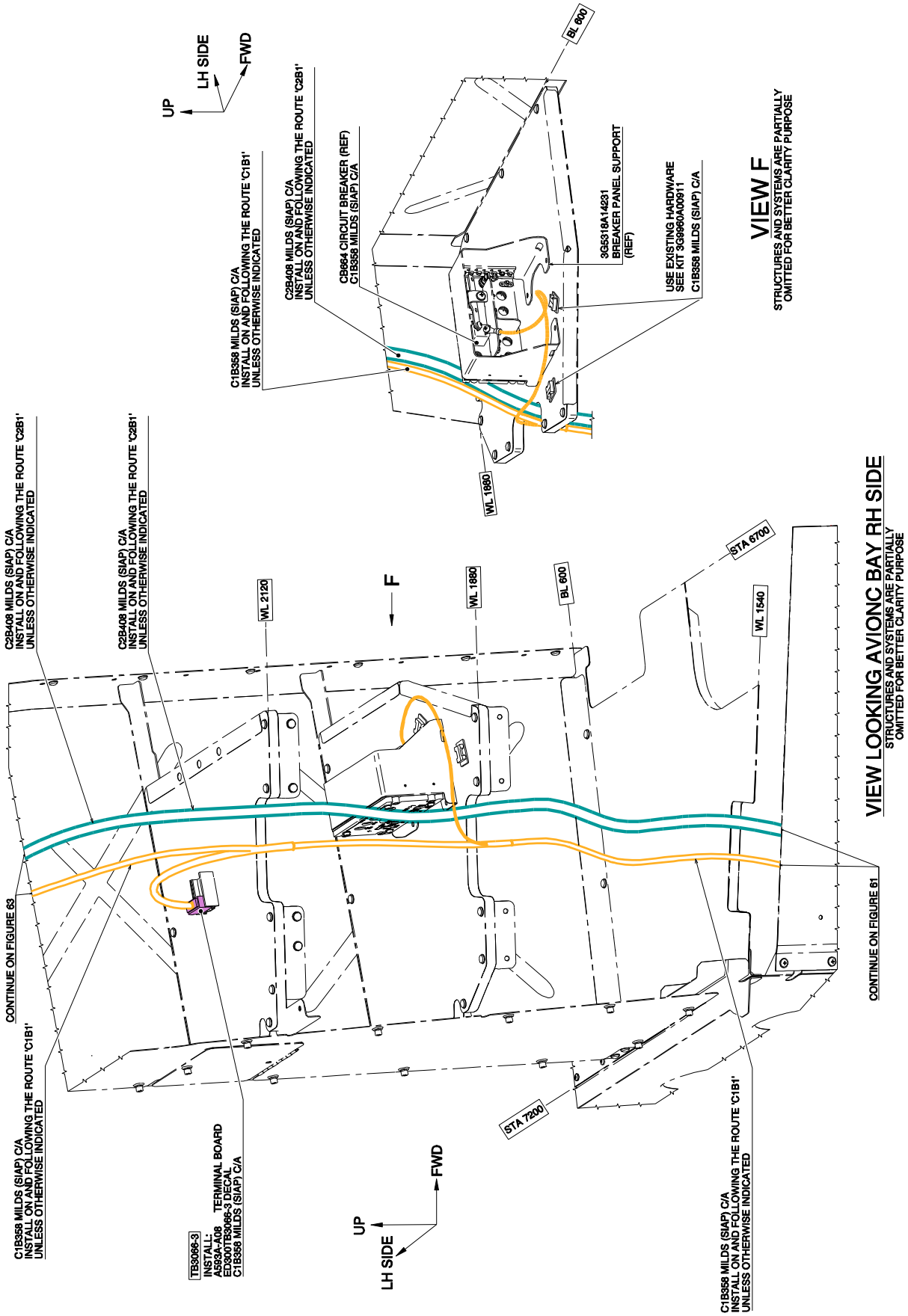

UP
LH SIDE
FWD
BL 600
C1B358 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'C1B1'
UNLESS OTHERWISE INDICATED
C2B408 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'C2B1'
UNLESS OTHERWISE INDICATED
CB664 CIRCUIT BREAKER (REF)
C1B358 MILDS (SIAP) C/A
3G6318A14231
BREAKER PANEL SUPPORT
(REF)
USE EXISTING HARDWARE
SEE KIT 3G9960A00911
C1B358 MILDS (SIAP) C/A
VIEW F
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE
WL 1880
C2B408 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'C2B1'
UNLESS OTHERWISE INDICATED
C2B408 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'C2B1'
UNLESS OTHERWISE INDICATED
WL 2120
F
WL 1880
BL 600
STA 6700
WL 1540
VIEW LOOKING AVIONIC BAY RH SIDE
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE
CONTINUE ON FIGURE 63
CONTINUE ON FIGURE 61
C1B358 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'C1B1'
UNLESS OTHERWISE INDICATED
TB3066-3
INSTALL:
A593A-A08 TERMINAL BOARD
ED3001B3066-3 DECAL
C1B358 MILDS (SIAP) C/A
STA 7200
C1B358 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'C1B1'
UNLESS OTHERWISE INDICATED
UP
FWD
LH SIDE

Figure 62

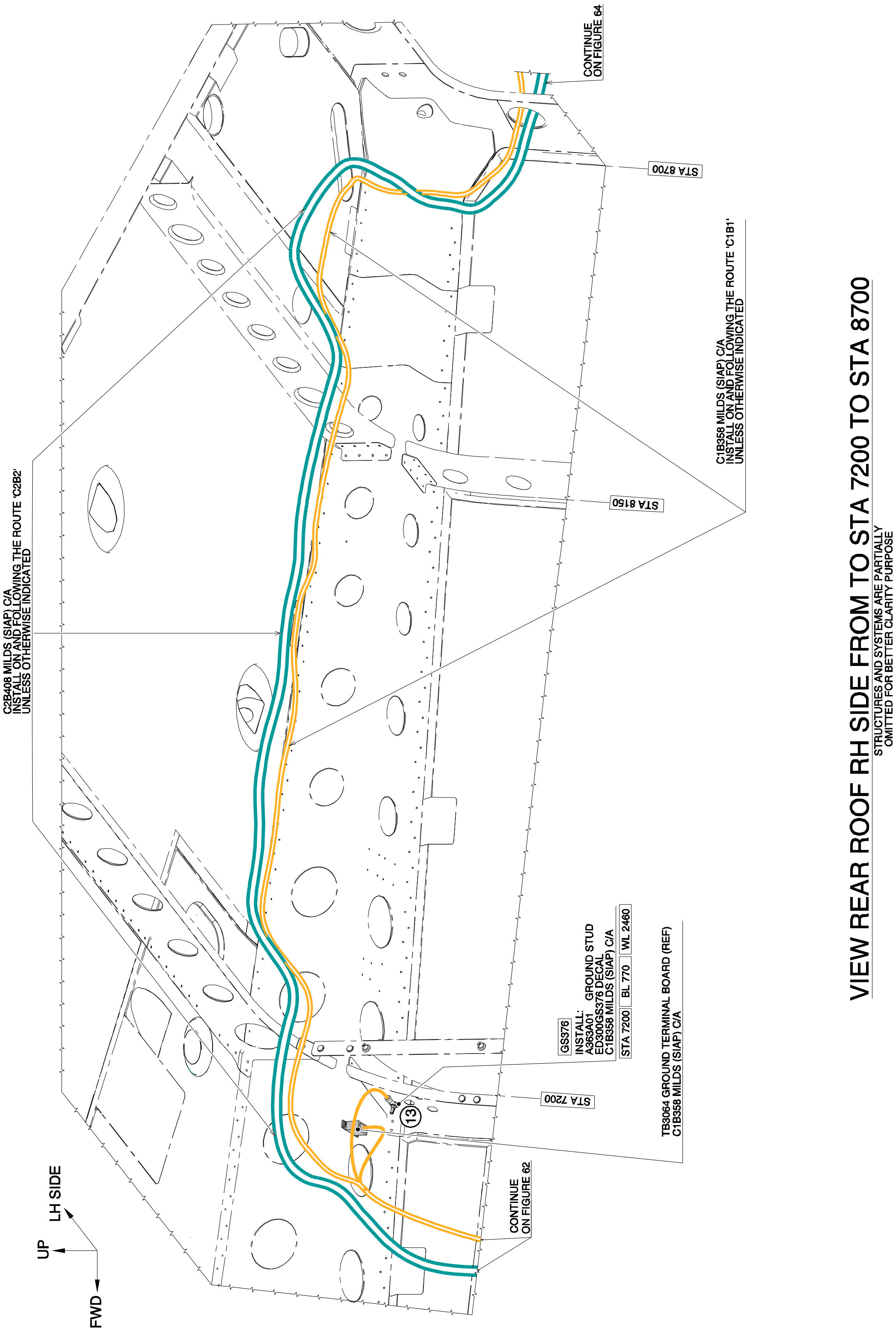

CONTINUE ON FIGURE 64
STA 8700
C1B358 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'C1B1'
UNLESS OTHERWISE INDICATED
STA 8150
C2B408 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'C2B2'
UNLESS OTHERWISE INDICATED
GS376
INSTALL: GROUND STUD
A363A01
ED300GS376 DECAL
C1B358 MILDS (SIAP) C/A
STA 7200
BL 770
WL 2460
TB3064 GROUND TERMINAL BOARD (REF)
C1B358 MILDS (SIAP) C/A
STA 7200
13
CONTINUE ON FIGURE 62
LH SIDE
UP
FWD
VIEW REAR ROOF RH SIDE FROM TO STA 7200 TO STA 8700
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE

Figure 63

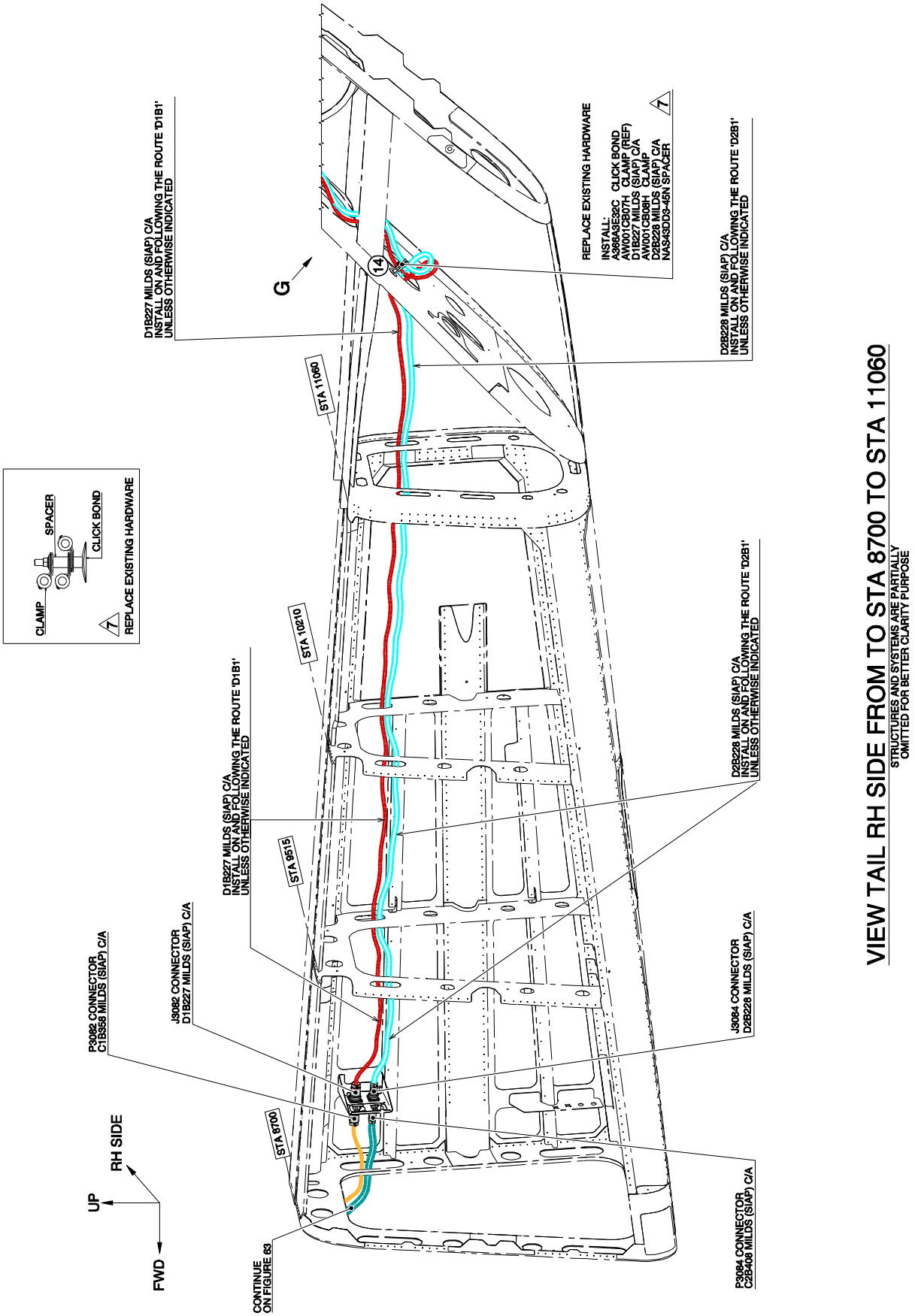

VIEW TAIL RH SIDE FROM TO STA 8700 TO STA 11060
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
D1B227 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'D1B1'
UNLESS OTHERWISE INDICATED
D2B228 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'D2B1'
UNLESS OTHERWISE INDICATED
REPLACE EXISTING HARDWARE
INSTALL:
A366A3E32C CLICK BOND
AW001CB07H CLAMP (REF)
D1B227 MILDS (SIAP) C/A
AW001CB08H CLAMP
D2B228 MILDS (SIAP) C/A
NAS43DD3-46N SPACER
7
14
G
STA 11060
STA 10210
STA 9515
STA 8700
CLAMP
SPACER
CLICK BOND
REPLACE EXISTING HARDWARE
P3082 CONNECTOR
C1B358 MILDS (SIAP) C/A
J3082 CONNECTOR
D1B227 MILDS (SIAP) C/A
J3084 CONNECTOR
D2B228 MILDS (SIAP) C/A
P3084 CONNECTOR
C2B406 MILDS (SIAP) C/A
CONTINUE
ON FIGURE 63
UP
RH SIDE
FWD

Figure 64

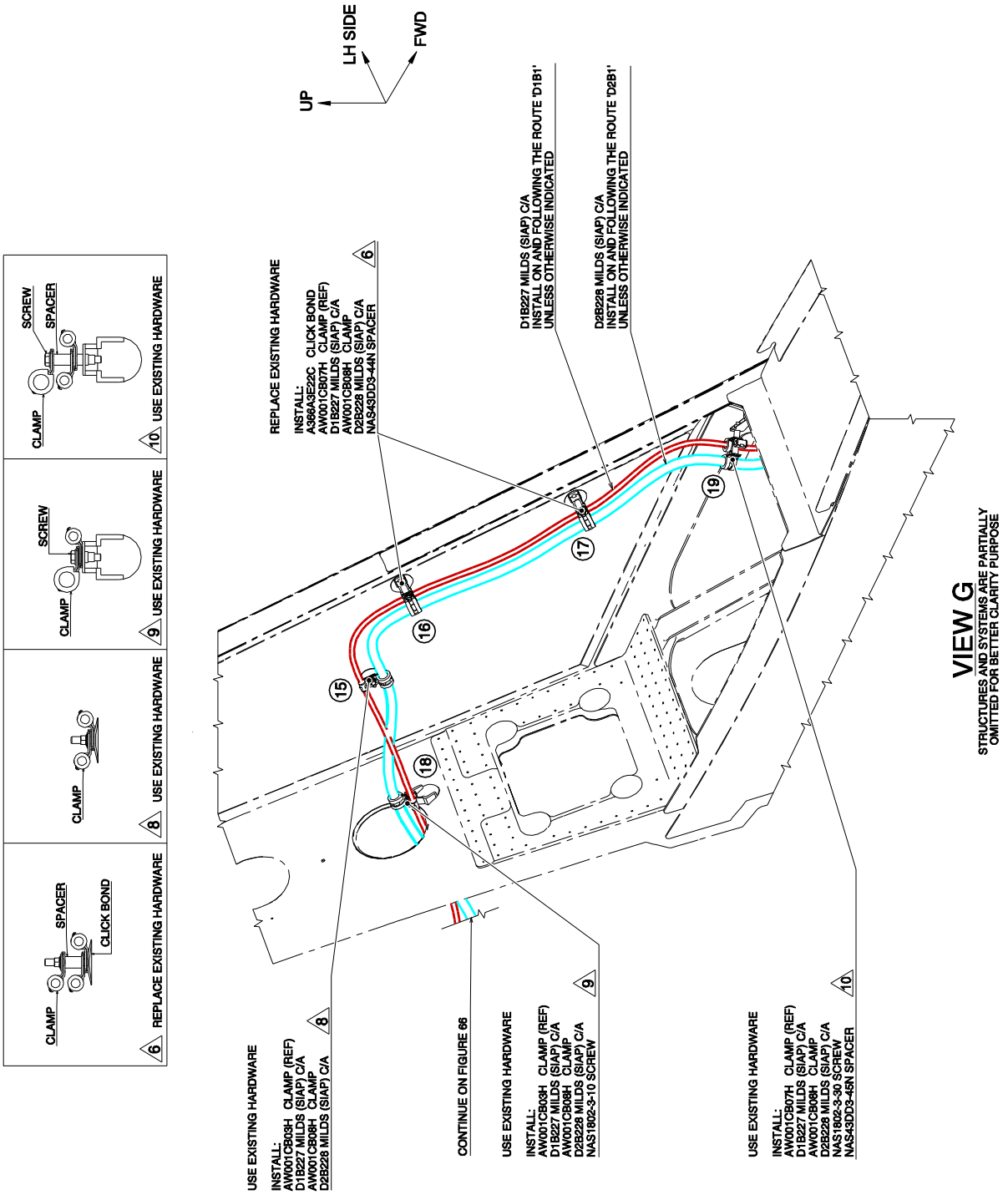

VIEW G
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
UP
LH SIDE
FWD
REPLACE EXISTING HARDWARE
INSTALL:
A368A3E22C CLICK BOND
AW001CB07H CLAMP (REF)
D1B227 MILDS (SIAP) C/A
AW001CB08H CLAMP
D2B228 MILDS (SIAP) C/A
NAS43DD3-44N SPACER
D1B227 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'D1B1'
UNLESS OTHERWISE INDICATED
D2B228 MILDS (SIAP) C/A
INSTALL ON AND FOLLOWING THE ROUTE 'D2B1'
UNLESS OTHERWISE INDICATED
USE EXISTING HARDWARE
INSTALL:
AW001CB03H CLAMP (REF)
D1B227 MILDS (SIAP) C/A
AW001CB08H CLAMP
D2B228 MILDS (SIAP) C/A
CONTINUE ON FIGURE 66
USE EXISTING HARDWARE
INSTALL:
AW001CB03H CLAMP (REF)
D1B227 MILDS (SIAP) C/A
AW001CB08H CLAMP
D2B228 MILDS (SIAP) C/A
NAS1802-3-10 SCREW
USE EXISTING HARDWARE
INSTALL:
AW001CB07H CLAMP (REF)
D1B227 MILDS (SIAP) C/A
AW001CB08H CLAMP
D2B228 MILDS (SIAP) C/A
NAS1802-3-30 SCREW
NAS43DD3-45N SPACER
6 REPLACE EXISTING HARDWARE
CLAMP
SPACER
CLICK BOND
8 USE EXISTING HARDWARE
CLAMP
9 USE EXISTING HARDWARE
CLAMP
SCREW
10 USE EXISTING HARDWARE
CLAMP
SCREW
SPACER

Figure 65

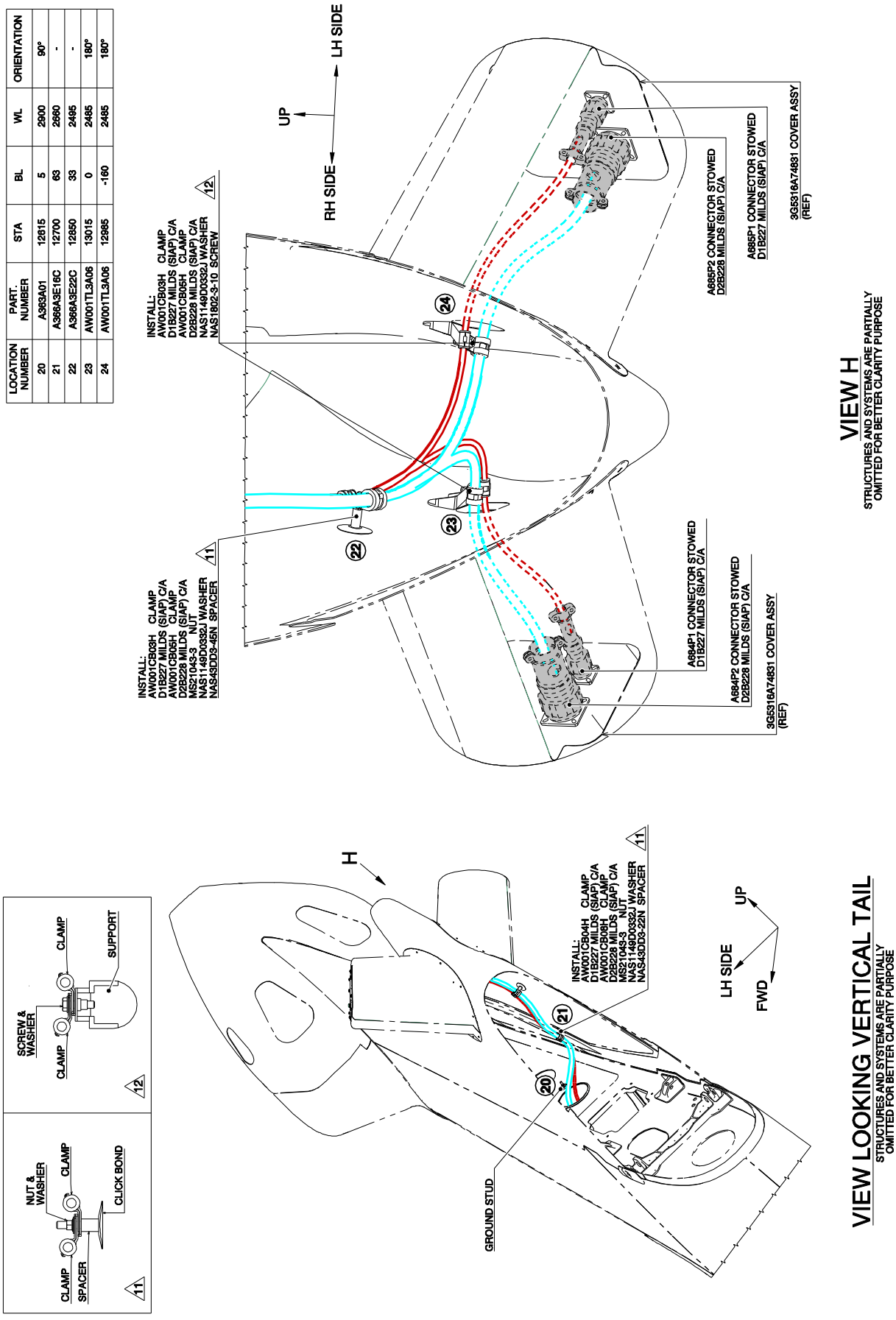

LOCATION NUMBER
PART. NUMBER
STA
BL
WL
ORIENTATION
20 A363A01 12615 5 2900 90°
21 A366A3E16C 12700 63 2660 -
22 A366A3E22C 12850 33 2495 -
23 AW001TL3A06 13015 0 2485 180°
24 AW001TL3A06 12985 -160 2485 180°
UP
LH SIDE
RH SIDE
INSTALL:
AW001CB03H CLAMP
D1B227 MILDS (SIAP) C/A
AW001CB02H CLAMP
D2B228 MILDS (SIAP) C/A
NAS1149D0332J WASHER
NAS1802-3-10 SCREW
12
INSTALL:
AW001CB03H CLAMP
D1B227 MILDS (SIAP) C/A
AW001CB02H CLAMP
D2B228 MILDS (SIAP) C/A
MS21043-3 NUT
NAS1149D0332J WASHER
NAS43DD3-45N SPACER
11
A685F2 CONNECTOR STOWED
D2B228 MILDS (SIAP) C/A
A685F1 CONNECTOR STOWED
D1B227 MILDS (SIAP) C/A
3G5316A74831 COVER ASSY
(REF)
A684P1 CONNECTOR STOWED
D1B227 MILDS (SIAP) C/A
A684P2 CONNECTOR STOWED
D2B228 MILDS (SIAP) C/A
3G5316A74831 COVER ASSY
(REF)
VIEW H
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE
H
INSTALL:
AW001CB04H CLAMP
D1B227 MILDS (SIAP) C/A
AW001CB06H CLAMP
D2B228 MILDS (SIAP) C/A
MS21043-3 NUT
NAS1149D0332J WASHER
NAS43DD3-22N SPACER
11
LH SIDE
UP
FWD
GROUND STUD
VIEW LOOKING VERTICAL TAIL
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE
SCREW & WASHER
CLAMP
SUPPORT
12
NUT & WASHER
CLAMP
CLAMP
SPACER
CLICK BOND
11

Figure 66

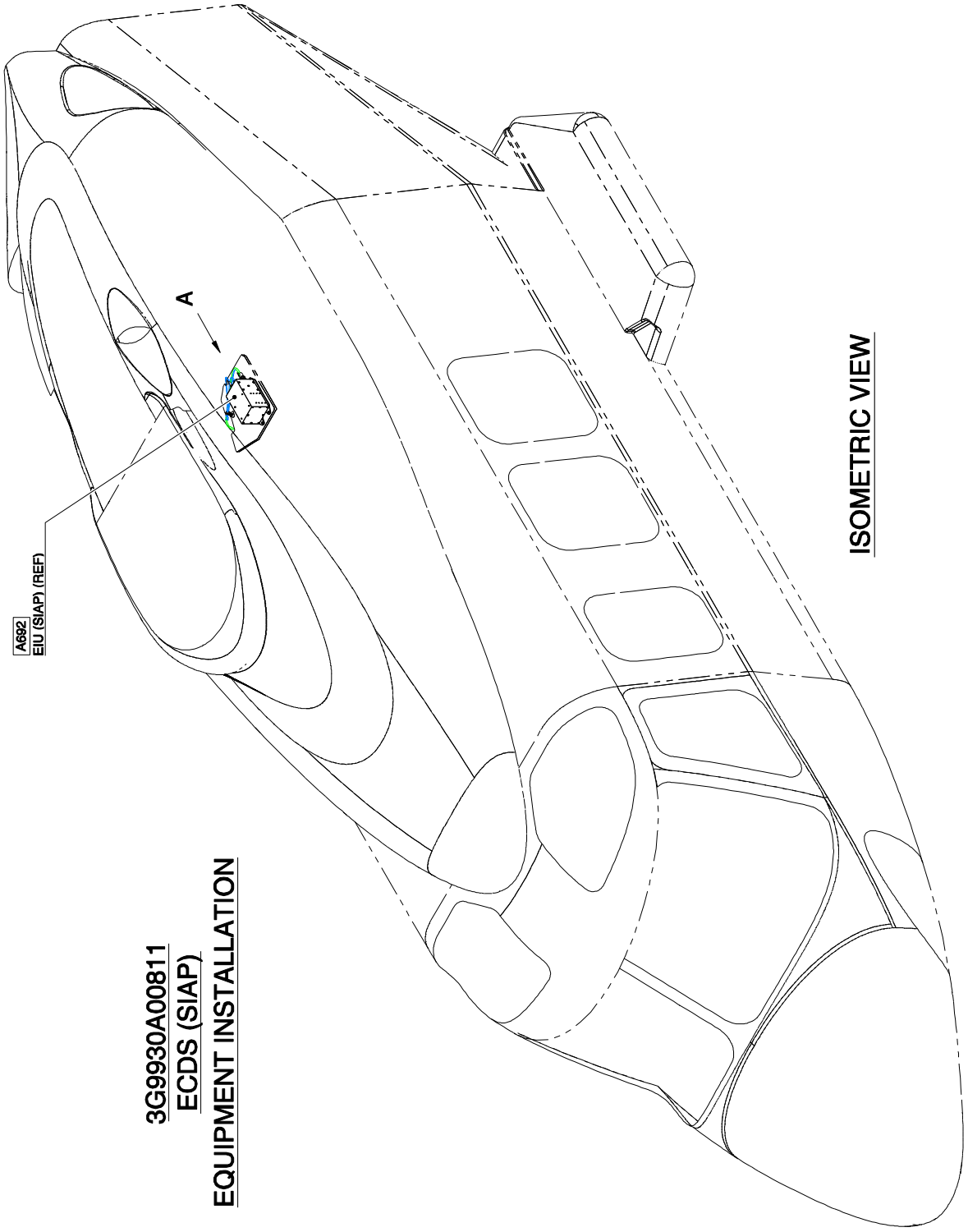

A
A692
EIU (SIAP) (REF)
ISOMETRIC VIEW
3G9930A00811
ECDS (SIAP)
EQUIPMENT INSTALLATION

Figure 67

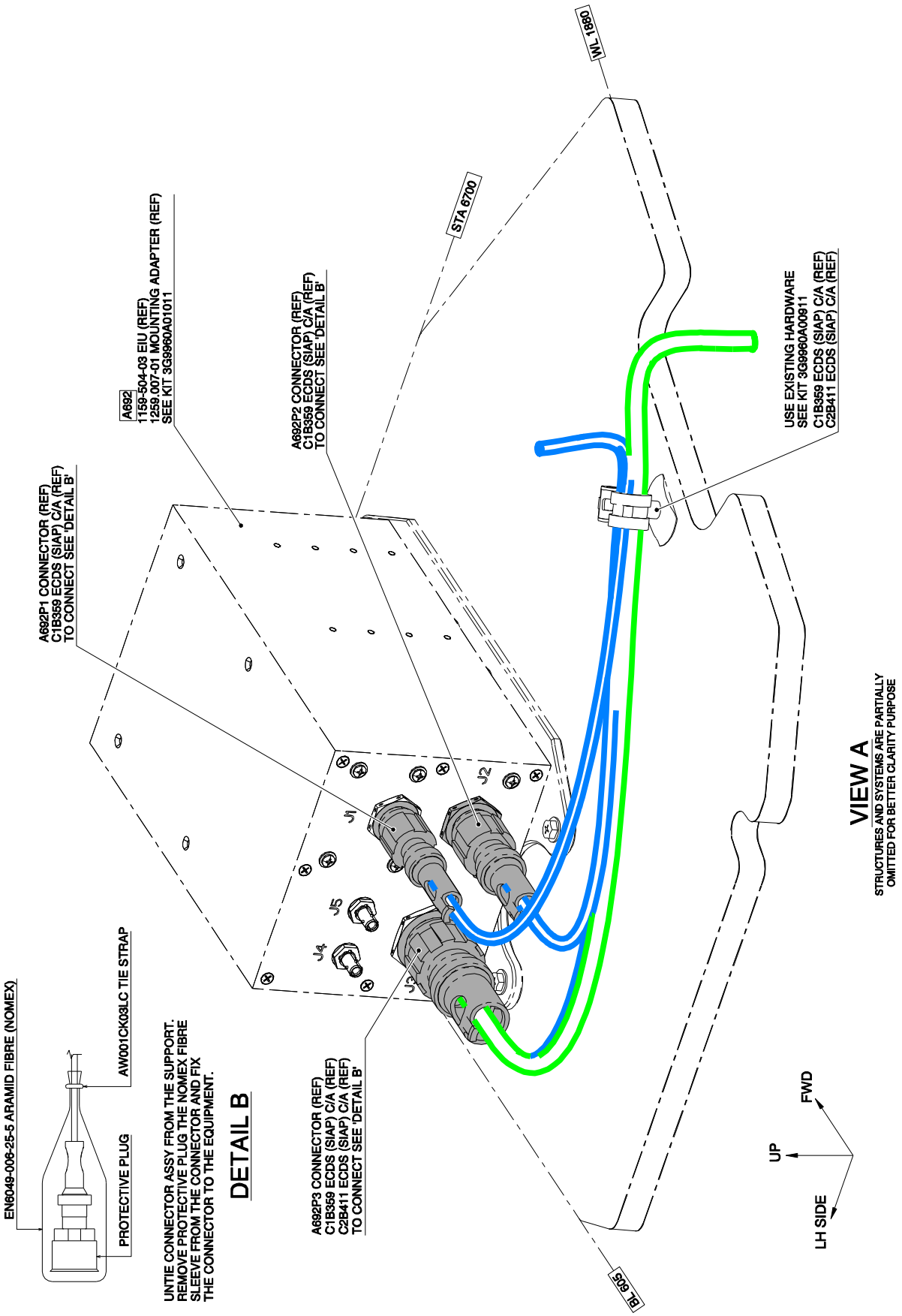

WL 1980
STA 6700
BL 605
A692
1159-504-03 EIU (REF)
1259.007-01 MOUNTING ADAPTER (REF)
SEE KIT 3G9960A01011
A692P1 CONNECTOR (REF)
C1B359 ECDS (SIAP) C/A (REF)
TO CONNECT SEE 'DETAIL B'
A692P2 CONNECTOR (REF)
C1B359 ECDS (SIAP) C/A (REF)
TO CONNECT SEE 'DETAIL B'
A692P3 CONNECTOR (REF)
C1B359 ECDS (SIAP) C/A (REF)
C2B411 ECDS (SIAP) C/A (REF)
TO CONNECT SEE 'DETAIL B'
USE EXISTING HARDWARE
SEE KIT 3G9960A00911
C1B359 ECDS (SIAP) C/A (REF)
C2B411 ECDS (SIAP) C/A (REF)
VIEW A
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE
DETAIL B
EN6049-006-25-5 ARAMID FIBRE (NOMEX)
AW001CK03LC TIE STRAP
PROTECTIVE PLUG
UNTIE CONNECTOR ASSY FROM THE SUPPORT.
REMOVE PROTECTIVE PLUG THE NOMEX FIBRE
SLEEVE FROM THE CONNECTOR AND FIX
THE CONNECTOR TO THE EQUIPMENT.
J2
J3
J4
J5
UP
FWD
LH SIDE

Figure 68

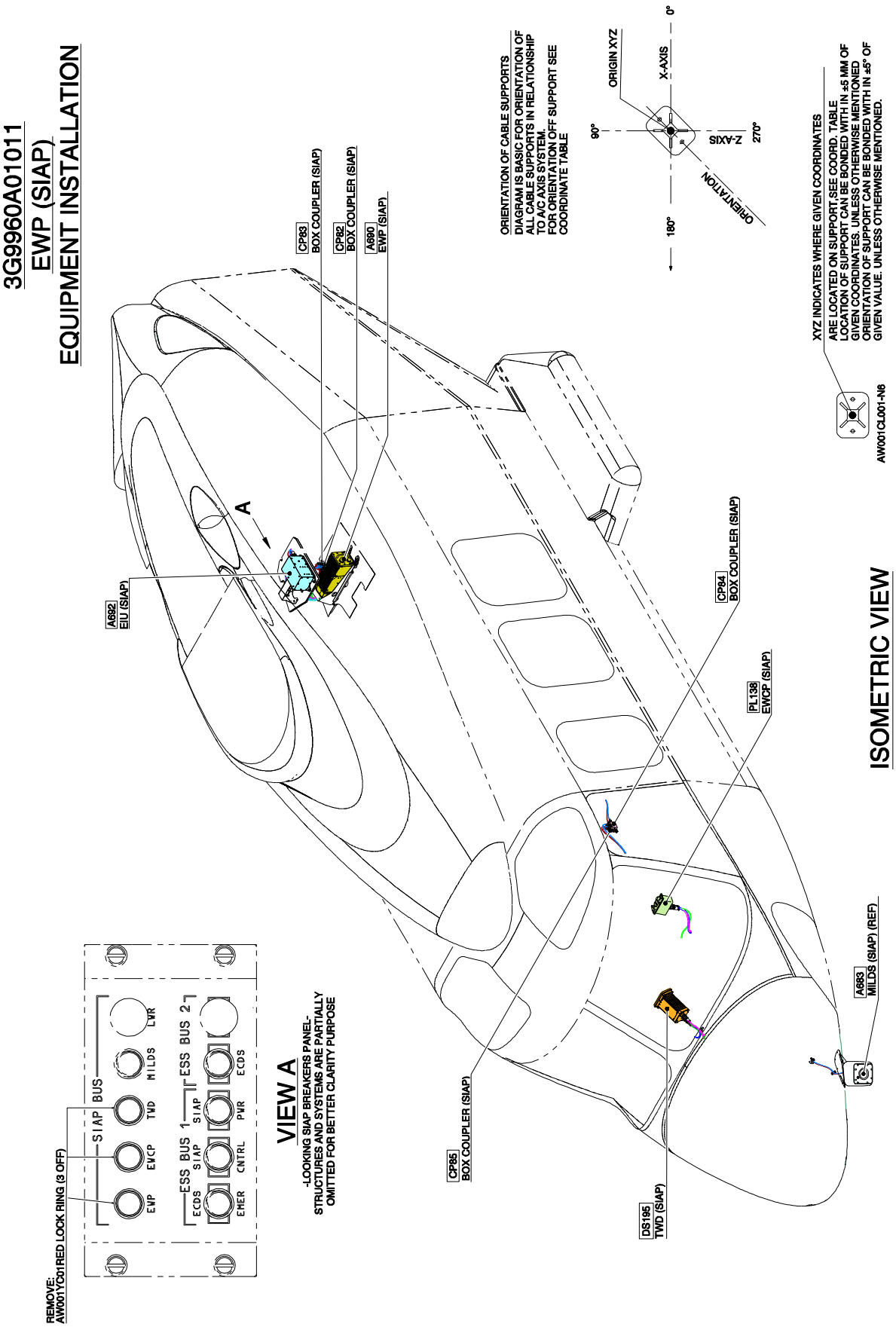

3G9960A01011
EWP (SIAP)
EQUIPMENT INSTALLATION
ISOMETRIC VIEW
VIEW A
-LOOKING SIAP BREAKERS PANEL-
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE
REMOVE:
AW001YC001 RED LOCK RING (3 OFF)
SIAP BUS
EWP
EWCP
TWD
MILDS
LWR
ESS BUS 1
ECDS
SIAP
EMER
CNTRL
ESS BUS 2
SIAP
PWR
ECDS
CP83 BOX COUPLER (SIAP)
CP82 BOX COUPLER (SIAP)
A690 EWP (SIAP)
A692 EIU (SIAP)
CP84 BOX COUPLER (SIAP)
PL138 EWCP (SIAP)
CP85 BOX COUPLER (SIAP)
DS195 TWD (SIAP)
A683 MILDS (SIAP) (REF)
ORIENTATION OF CABLE SUPPORTS
DIAGRAM IS BASIC FOR ORIENTATION OF
ALL CABLE SUPPORTS IN RELATIONSHIP
TO A/C AXIS SYSTEM.
FOR ORIENTATION OFF SUPPORT SEE
COORDINATE TABLE
ORIGIN XYZ
X-AXIS
Z-AXIS
ORIENTATION
0°
90°
180°
270°
XYZ INDICATES WHERE GIVEN COORDINATES
ARE LOCATED ON SUPPORT.SEE COORD. TABLE
LOCATION OF SUPPORT CAN BE BONDED WITH IN ±5 MM OF
GIVEN COORDINATES. UNLESS OTHERWISE MENTIONED
ORIENTATION OF SUPPORT CAN BE BONDED WITH IN ±5° OF
GIVEN VALUE. UNLESS OTHERWISE MENTIONED.
AW001CL001-N6

Figure 69

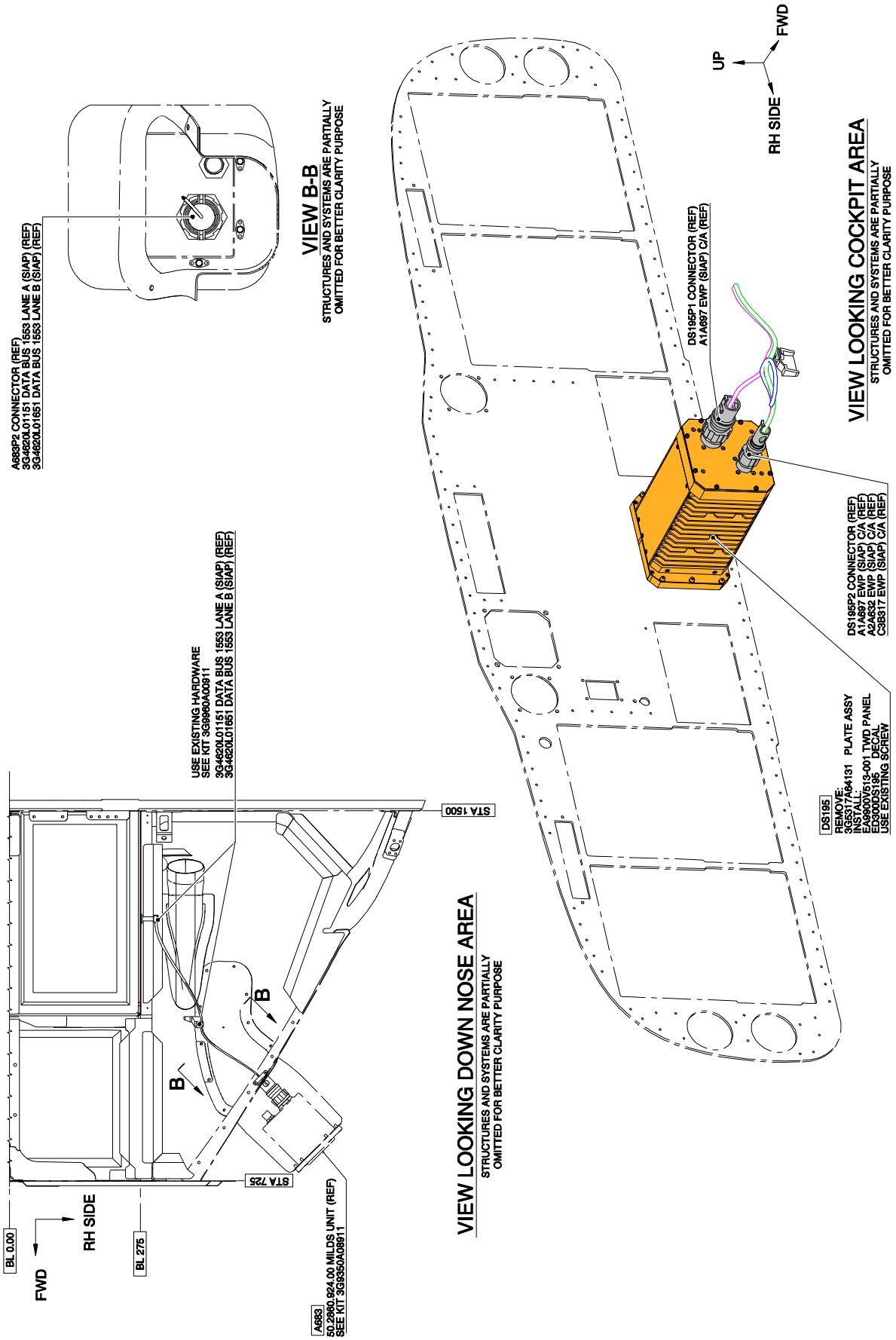
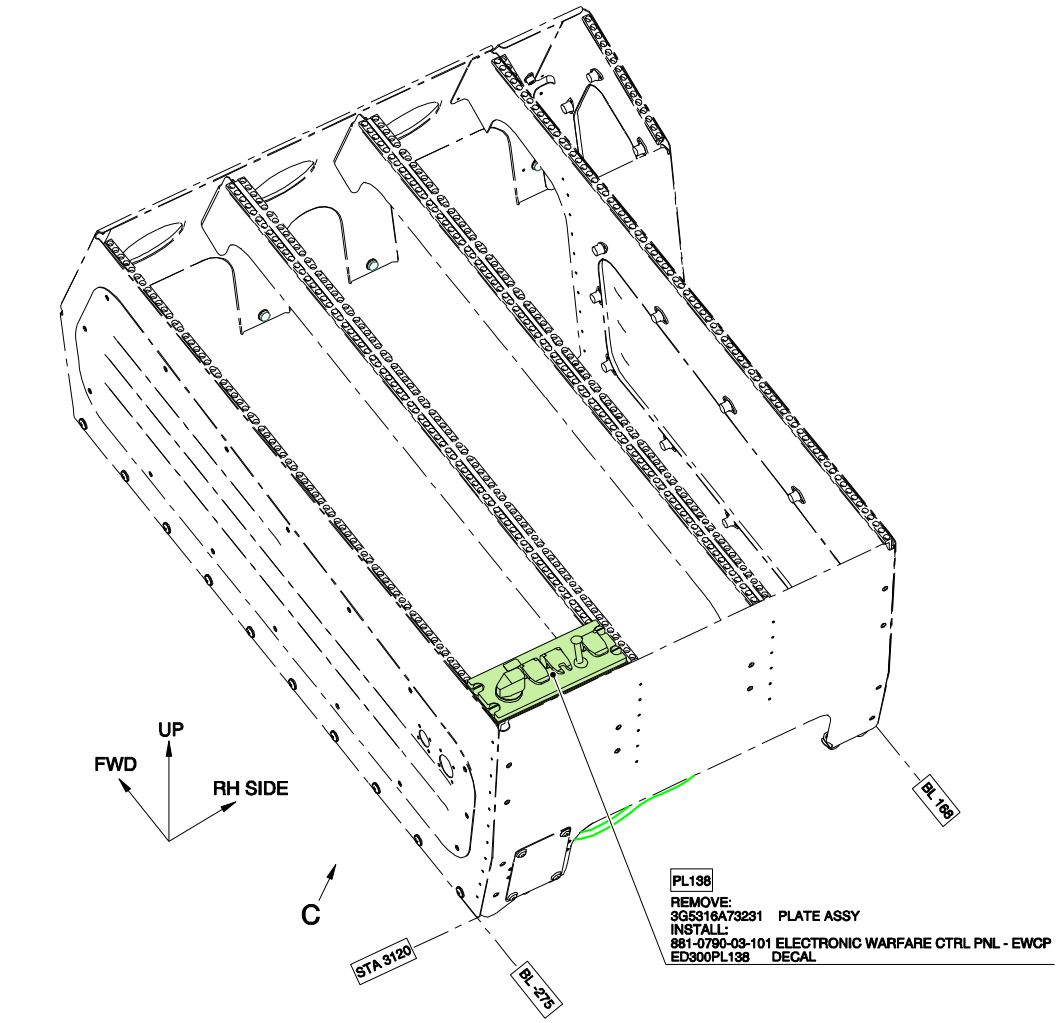
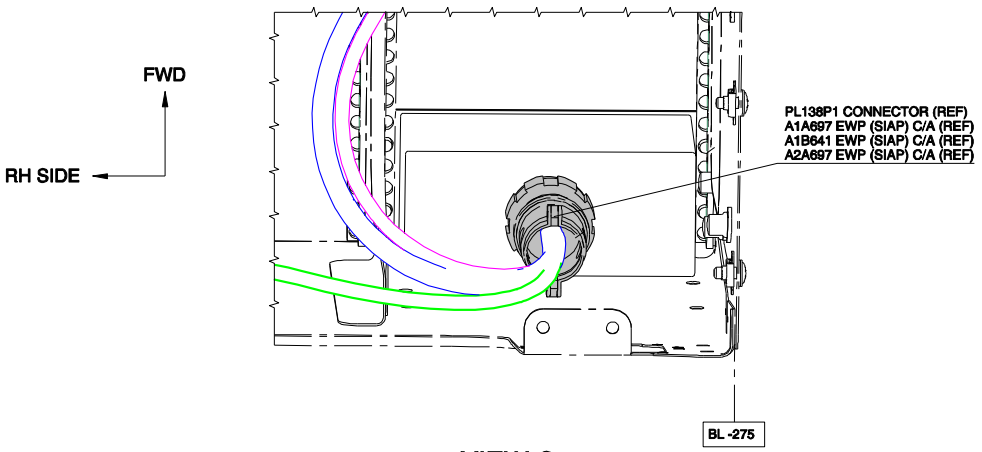

A683P2 CONNECTOR (REF)
3G4620L01151 DATA BUS 1553 LANE A (SIAP) (REF)
3G4620L01651 DATA BUS 1553 LANE B (SIAP) (REF)
VIEW B-B
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
UP
FWD
RH SIDE
VIEW LOOKING COCKPIT AREA
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
DS195P1 CONNECTOR (REF)
A1A697 EWP (SIAP) C/A (REF)
DS195P2 CONNECTOR (REF)
A1A697 EWP (SIAP) C/A (REF)
A2A632 EWP (SIAP) C/A (REF)
C3B317 EWP (SIAP) C/A (REF)
DS195
REMOVE:
3G5317A64131 PLATE ASSY
INSTALL:
EA9800V513-001 TWD PANEL
ED3900DS195 DECAL
USE EXISTING SCREW
USE EXISTING HARDWARE
SEE KIT 3G9960A00911
3G4620L01151 DATA BUS 1553 LANE A (SIAP) (REF)
3G4620L01651 DATA BUS 1553 LANE B (SIAP) (REF)
STA 1500
B
B
STA 725
BL 0.00
FWD
RH SIDE
BL 275
A683
50.2860.924.00 MILDS UNIT (REF)
SEE KIT 3G9350A08911
VIEW LOOKING DOWN NOSE AREA
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

Figure 70



VIEW LOOKING I/S CONSOLE AREA
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE



VIEW C
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE

Figure 71

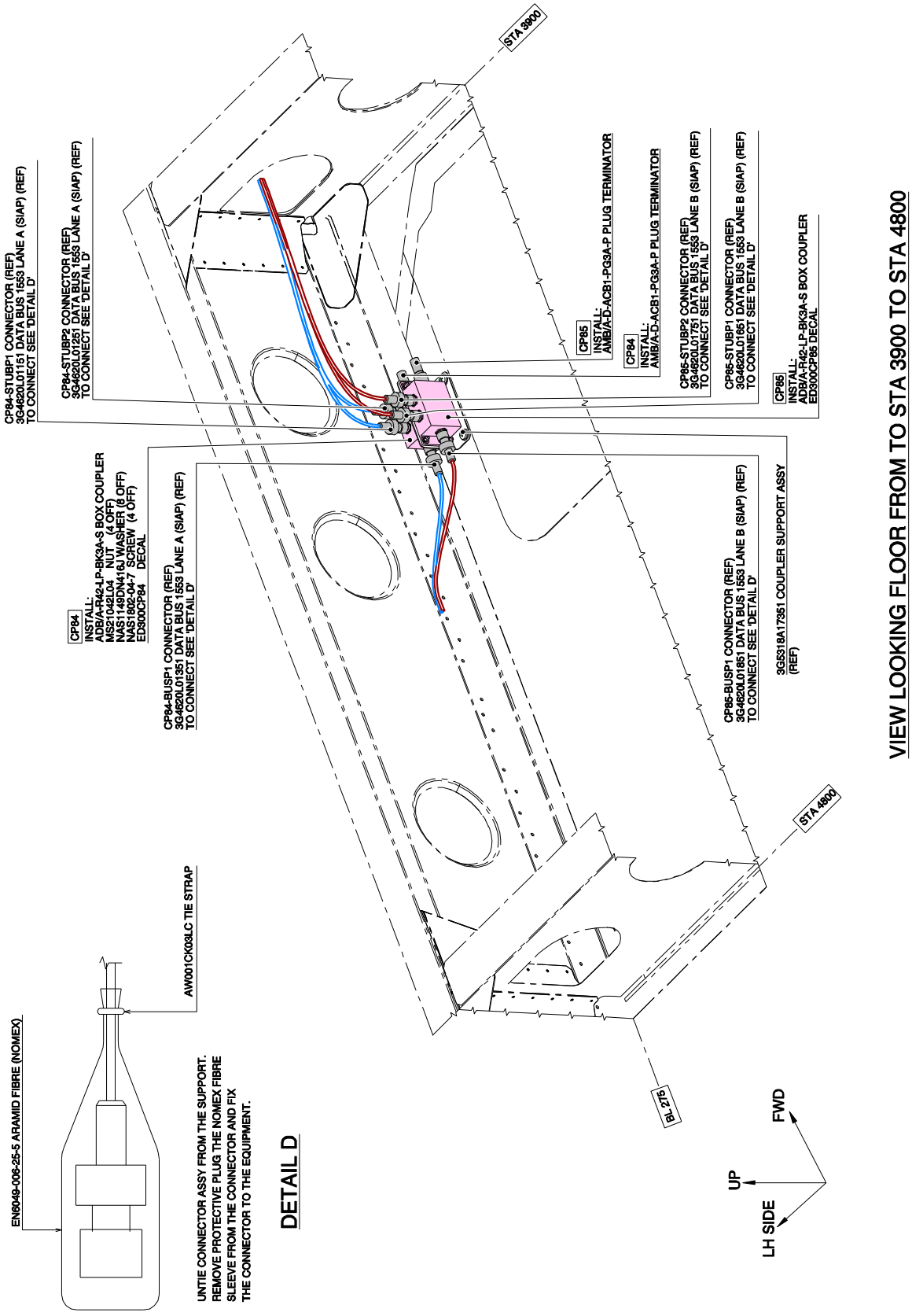

VIEW LOOKING FLOOR FROM TO STA 3900 TO STA 4800
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
STA 3900
STA 4800
BL 275
FWD
UP
LH SIDE
CP84-STUBP1 CONNECTOR (REF) 3G4620L01151 DATA BUS 1553 LANE A (SIAP) (REF) TO CONNECT SEE 'DETAIL D'
CP84-STUBP2 CONNECTOR (REF) 3G4620L01251 DATA BUS 1553 LANE A (SIAP) (REF) TO CONNECT SEE 'DETAIL D'
CP85 INSTALL: AMB/A-D-ACB1-PG3A-P PLUG TERMINATOR
CP84 INSTALL: AMB/A-D-ACB1-PG3A-P PLUG TERMINATOR
CP85-STUBP2 CONNECTOR (REF) 3G4620L01751 DATA BUS 1553 LANE B (SIAP) (REF) TO CONNECT SEE 'DETAIL D'
CP85-STUBP1 CONNECTOR (REF) 3G4620L01851 DATA BUS 1553 LANE B (SIAP) (REF) TO CONNECT SEE 'DETAIL D'
CP85 INSTALL: ADB/A-R42-LP-BK3A-S BOX COUPLER ED900CP85 DECAL
CP84 INSTALL: ADB/A-R42-LP-BK3A-S BOX COUPLER MS21042L04 NUT (4 OFF) NAS1149DN416J WASHER (8 OFF) NAS1802-04-7 SCREW (4 OFF) ED900CP84 DECAL
CP84-BUSP1 CONNECTOR (REF) 3G4620L01351 DATA BUS 1553 LANE A (SIAP) (REF) TO CONNECT SEE 'DETAIL D'
CP85-BUSP1 CONNECTOR (REF) 3G4620L01851 DATA BUS 1553 LANE B (SIAP) (REF) TO CONNECT SEE 'DETAIL D'
3G5318A17351 COUPLER SUPPORT ASSY (REF)
DETAIL D
EN6049-009-25-5 ARAMID FIBRE (NOMEX)
AW001CK03LC TIE STRAP
UNTIE CONNECTOR ASSY FROM THE SUPPORT.
REMOVE PROTECTIVE PLUG THE NOMEX FIBRE SLEEVE FROM THE CONNECTOR AND FIX THE CONNECTOR TO THE EQUIPMENT.

Figure 72

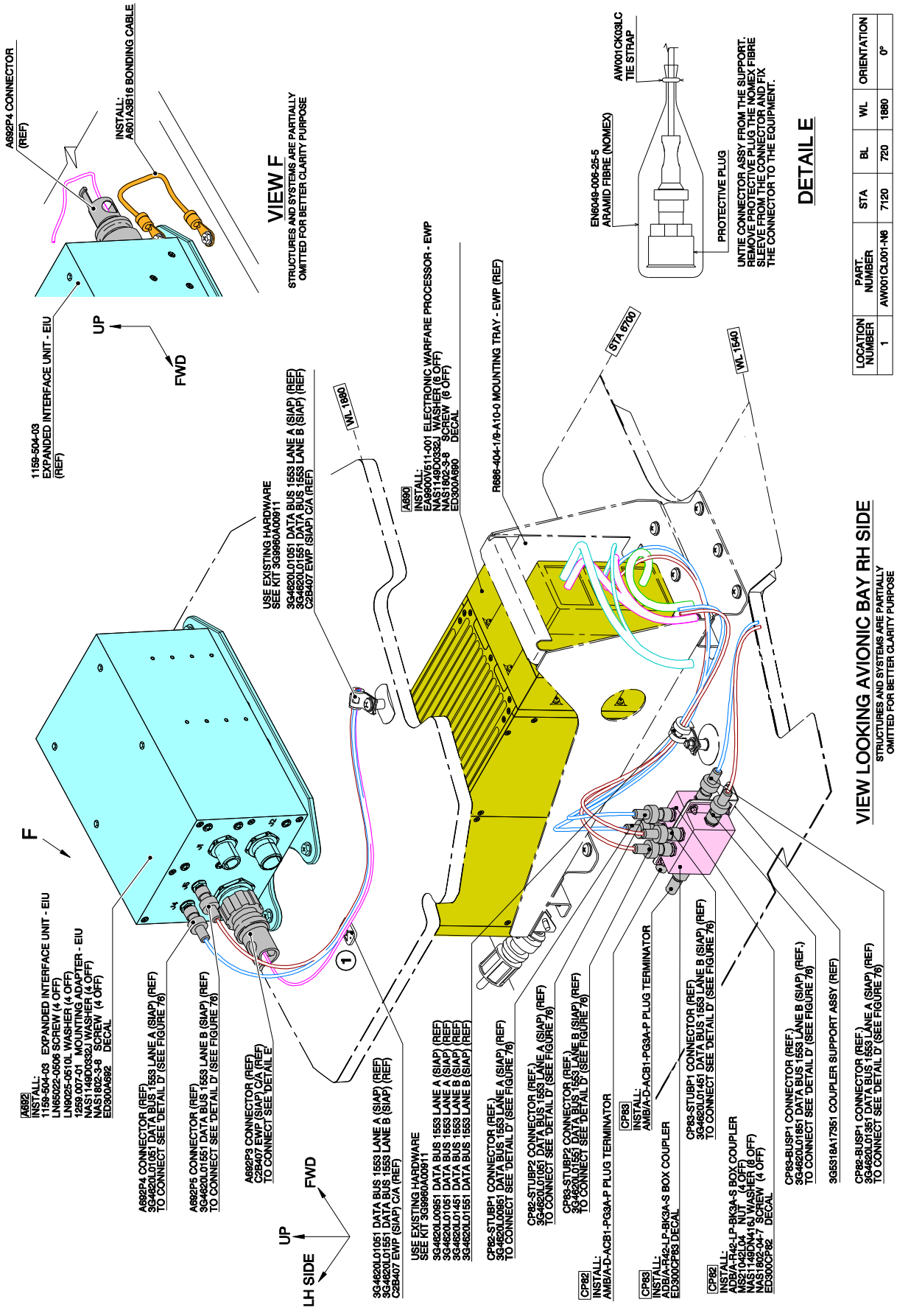

A692P4 CONNECTOR (REF)
INSTALL: A601A9B16 BONDING CABLE
1159-504-03 EXPANDED INTERFACE UNIT - EIU (REF)
UP
FWD
VIEW F
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
A692 INSTALL: 1159-504-03 EXPANDED INTERFACE UNIT - EIU
LN65022-0506 SCREW (4 OFF)
LN9225-0510L WASHER (4 OFF)
1259.007-01 MOUNTING ADAPTER - EIU
NAS1149D0332J WASHER (4 OFF)
NAS1802-3-8 SCREW (4 OFF)
ED3000A692 DECAL
A692P4 CONNECTOR (REF)
3G46220L01051 DATA BUS 1553 LANE A (SIAP) (REF)
TO CONNECT SEE 'DETAIL D' (SEE FIGURE 76)
A692P5 CONNECTOR (REF)
3G46220L01551 DATA BUS 1553 LANE B (SIAP) (REF)
TO CONNECT SEE 'DETAIL D' (SEE FIGURE 76)
A692P3 CONNECTOR (REF)
C2B407 EWP (SIAP) C/A (REF)
TO CONNECT SEE 'DETAIL E'
F
3G46220L01051 DATA BUS 1553 LANE A (SIAP) (REF)
3G46220L01551 DATA BUS 1553 LANE B (SIAP) (REF)
C2B407 EWP (SIAP) C/A (REF)
USE EXISTING HARDWARE
SEE KIT 3G9980A00911
3G46220L00951 DATA BUS 1553 LANE A (SIAP) (REF)
3G46220L01051 DATA BUS 1553 LANE A (SIAP) (REF)
3G46220L01451 DATA BUS 1553 LANE B (SIAP) (REF)
3G46220L01551 DATA BUS 1553 LANE B (SIAP) (REF)
CP82-STUBP1 CONNECTOR (REF.)
3G46220L01051 DATA BUS 1553 LANE A (SIAP) (REF)
TO CONNECT SEE 'DETAIL D' (SEE FIGURE 76)
CP83-STUBP2 CONNECTOR (REF.)
3G46220L01051 DATA BUS 1553 LANE A (SIAP) (REF)
TO CONNECT SEE 'DETAIL D' (SEE FIGURE 76)
CP83-STUBP2 CONNECTOR (REF.)
3G46220L01551 DATA BUS 1553 LANE B (SIAP) (REF)
TO CONNECT SEE 'DETAIL D' (SEE FIGURE 76)
CP82
INSTALL:
AMB/A-D-ACB1-PG3A-P PLUG TERMINATOR
CP83
INSTALL:
AMB/A-D-ACB1-PG3A-P PLUG TERMINATOR
CP83
INSTALL:
ADB/A-R42-LP-BK3A-S BOX COUPLER
ED3000CP83 DECAL
CP83-STUBP1 CONNECTOR (REF.)
3G46220L01451 DATA BUS 1553 LANE B (SIAP) (REF)
TO CONNECT SEE 'DETAIL D' (SEE FIGURE 76)
CP82
INSTALL:
ADB/A-R42-LP-BK3A-S BOX COUPLER
MS21042L04 NUT (4 OFF)
NAS1149DN416J WASHER (8 OFF)
NAS1802-04-7 SCREW (4 OFF)
ED3000CP82 DECAL
CP82-BUSP1 CONNECTOR (REF.)
3G46220L01451 DATA BUS 1553 LANE B (SIAP) (REF.)
TO CONNECT SEE 'DETAIL D' (SEE FIGURE 76)
9G5318A17351 COUPLER SUPPORT ASSY (REF)
CP82-BUSP1 CONNECTOR (REF.)
3G46220L01351 DATA BUS 1553 LANE A (SIAP) (REF)
TO CONNECT SEE 'DETAIL D' (SEE FIGURE 76)
UP
FWD
LH SIDE
USE EXISTING HARDWARE
SEE KIT 3G9980A00911
3G46220L01051 DATA BUS 1553 LANE A (SIAP) (REF)
3G46220L01551 DATA BUS 1553 LANE B (SIAP) (REF)
C2B407 EWP (SIAP) C/A (REF)
WL 1890
A690
INSTALL:
EA4GDV611-001 ELECTRONIC WARFARE PROCESSOR - EWP
NAS1149D0332J WASHER (6 OFF)
NAS1802-3-8 SCREW (6 OFF)
ED300A690 DECAL
R686-404-1/9-A10-0 MOUNTING TRAY - EWP (REF)
STA 6700
WL 1640
EN6049-006-25-5
ARAMID FIBRE (NOMEX)
AW0001CK09LC
TIE STRAP
PROTECTIVE PLUG
UNTIE CONNECTOR ASSY FROM THE SUPPORT.
REMOVE PROTECTIVE PLUG THE NOMEX FIBRE
SLEEVE FROM THE CONNECTOR AND FIX
THE CONNECTOR TO THE EQUIPMENT.
DETAIL E
VIEW LOOKING AVIONIC BAY RH SIDE
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
LOCATION NUMBER | PART NUMBER | STA | BL | WL | ORIENTATION
1 | AW0001CL001-N6 | 7120 | 720 | 1880 | 0°

Figure 73

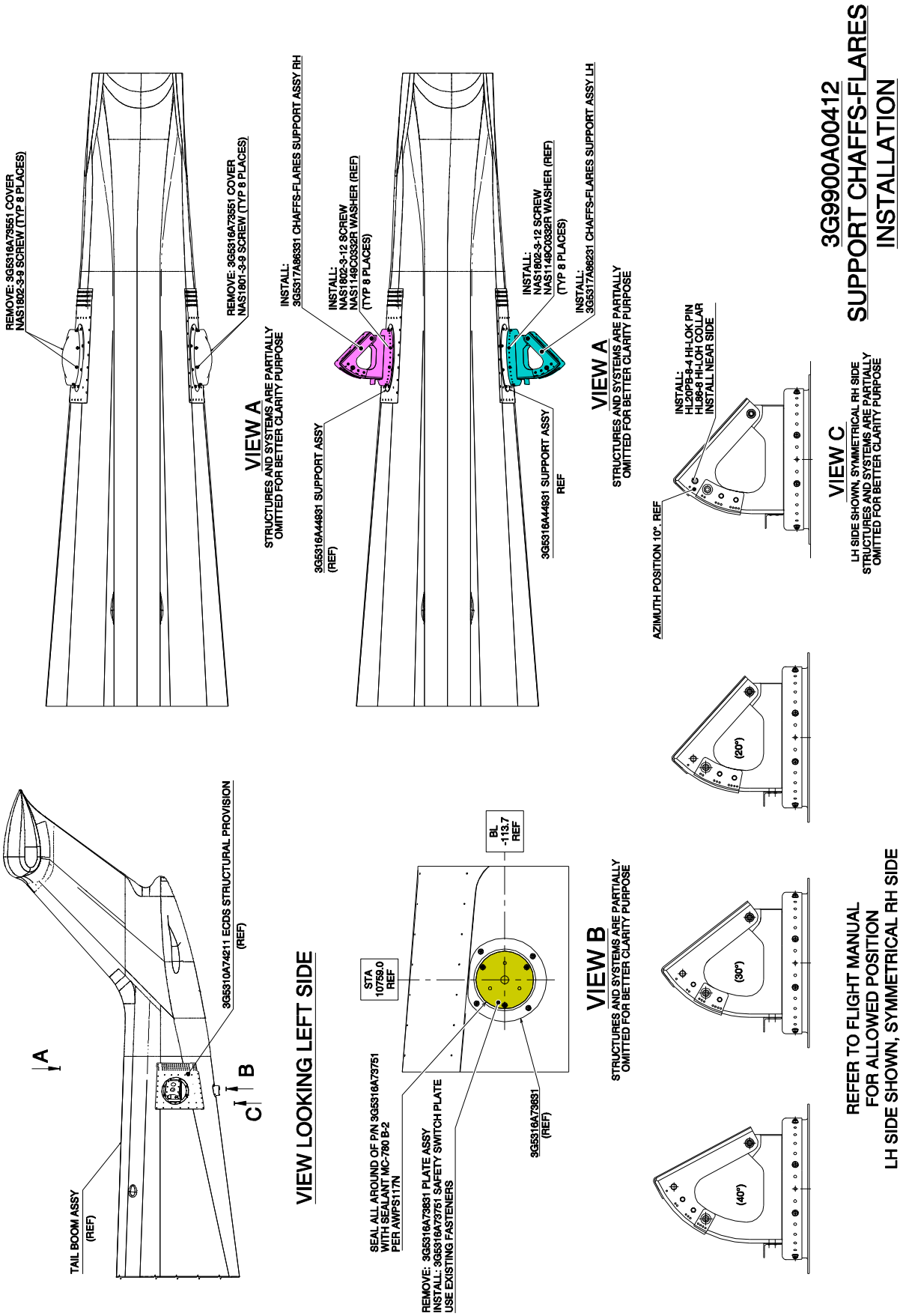

3G9900A00412
SUPPORT CHAFFS-FLARES
INSTALLATION
REMOVE: 3G5316A73551 COVER
NAS1802-3-9 SCREW (TYP 8 PLACES)
REMOVE: 3G5316A73551 COVER
NAS1801-3-9 SCREW (TYP 8 PLACES)
VIEW A
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE
INSTALL:
3G5317A86331 CHAFFS-FLARES SUPPORT ASSY RH
INSTALL:
NAS1802-3-12 SCREW
NAS1149C0332R WASHER (REF)
(TYP 8 PLACES)
3G5316A44931 SUPPORT ASSY
(REF)
INSTALL:
NAS1802-3-12 SCREW
NAS1149C0332R WASHER (REF)
(TYP 8 PLACES)
INSTALL:
3G5317A86231 CHAFFS-FLARES SUPPORT ASSY LH
3G5316A44931 SUPPORT ASSY
REF
VIEW A
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE
INSTALL:
HL20PB-6-4 HI-LOK PIN
HL86-6 HI-LOK COLLAR
INSTALL NEAR SIDE
AZIMUTH POSITION 10°, REF
VIEW C
LH SIDE SHOWN, SYMMETRICAL RH SIDE
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE
A
B
C
3G5310A74211 ECDS STRUCTURAL PROVISION
(REF)
TAIL BOOM ASSY
(REF)
VIEW LOOKING LEFT SIDE
STA
10759.0
REF
BL
-113.7
REF
SEAL ALL AROUND OF P/N 3G5316A73751
WITH SEALANT MC-780 B-2
PER AMPS1117N
REMOVE: 3G5316A73831 PLATE ASSY
INSTALL: 3G5316A73751 SAFETY SWITCH PLATE
USE EXISTING FASTENERS
3G5316A73831
(REF)
VIEW B
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE
(20°)
(30°)
(40°)
REFER TO FLIGHT MANUAL
FOR ALLOWED POSITION
LH SIDE SHOWN, SYMMETRICAL RH SIDE

Figure 74

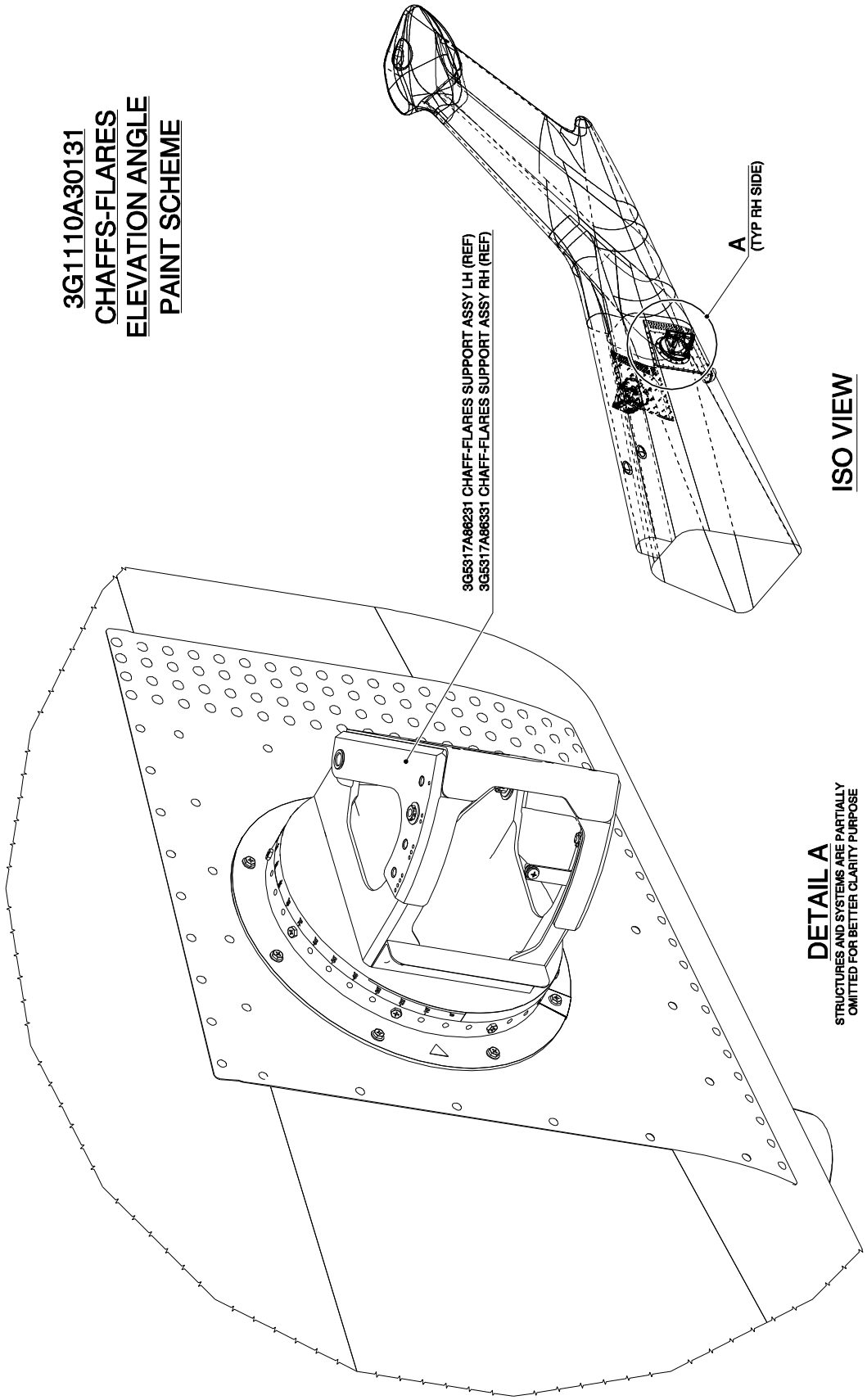

3G1110A30131
CHAFFS-FLARES
ELEVATION ANGLE
PAINT SCHEME
ISO VIEW
A
(TYP RH SIDE)
3G5317A86231 CHAFF-FLARES SUPPORT ASSY LH (REF)
3G5317A86331 CHAFF-FLARES SUPPORT ASSY RH (REF)
DETAIL A
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE

Figure 75

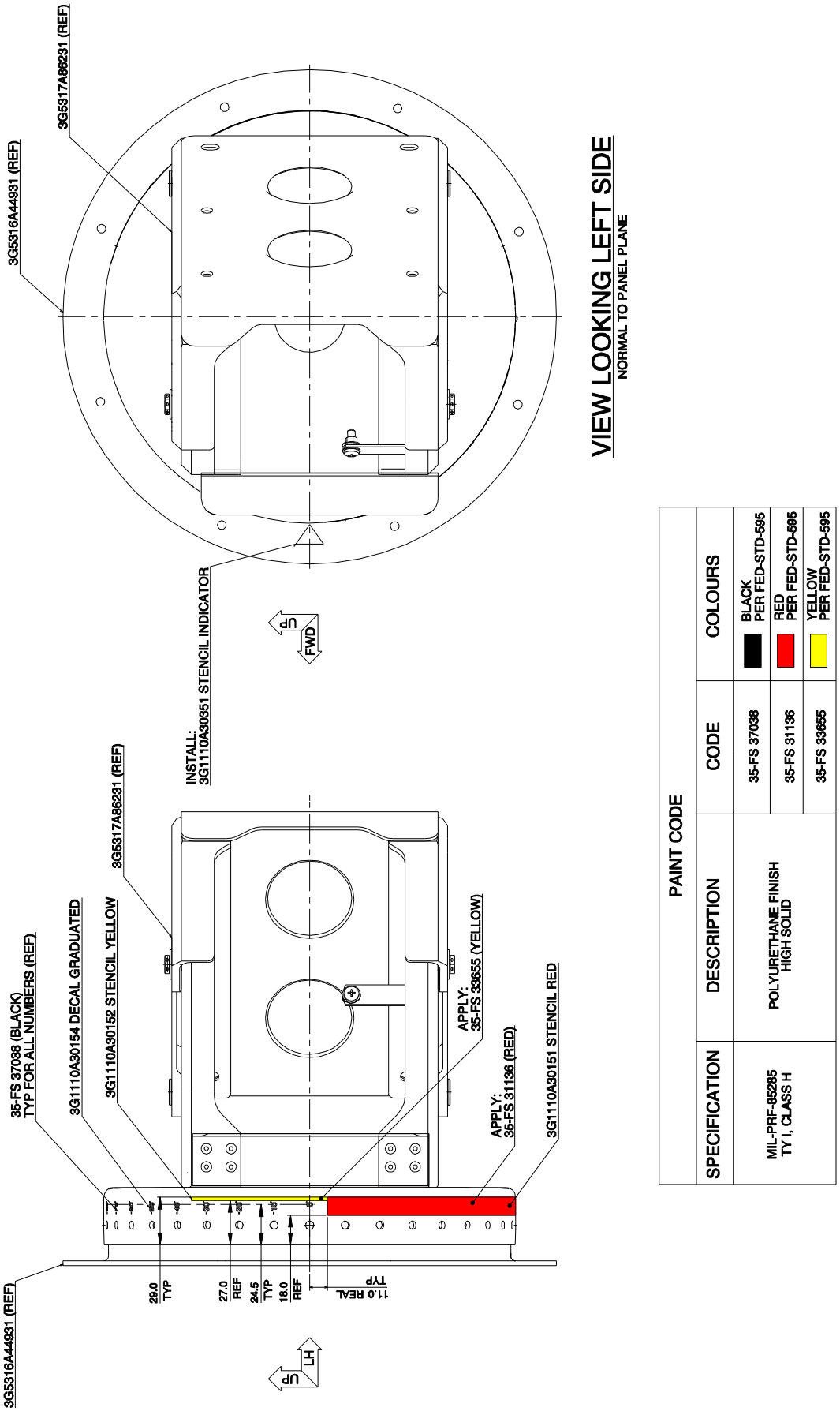

3G5317A86231 (REF)
3G5316A44931 (REF)
VIEW LOOKING LEFT SIDE
NORMAL TO PANEL PLANE
INSTALL:
3G1110A30351 STENCIL INDICATOR
UP
FWD
3G5317A86231 (REF)
35-FS 37038 (BLACK)
TYP FOR ALL NUMBERS (REF)
3G1110A30154 DECAL GRADUATED
3G1110A30152 STENCIL YELLOW
APPLY:
35-FS 33655 (YELLOW)
APPLY:
35-FS 31136 (RED)
3G1110A30151 STENCIL RED
29.0
TYP
27.0
REF
24.5
TYP
18.0
REF
11.0 REAL
TYP
3G5316A44931 (REF)
UP
LH
PAINT CODE
SPECIFICATION
DESCRIPTION
CODE
COLOURS
MIL-PRF-85285
TY I, CLASS H
POLYURETHANE FINISH
HIGH SOLID
35-FS 37038
BLACK
PER FED-STD-595
35-FS 31136
RED
PER FED-STD-595
35-FS 33655
YELLOW
PER FED-STD-595

Figure 76

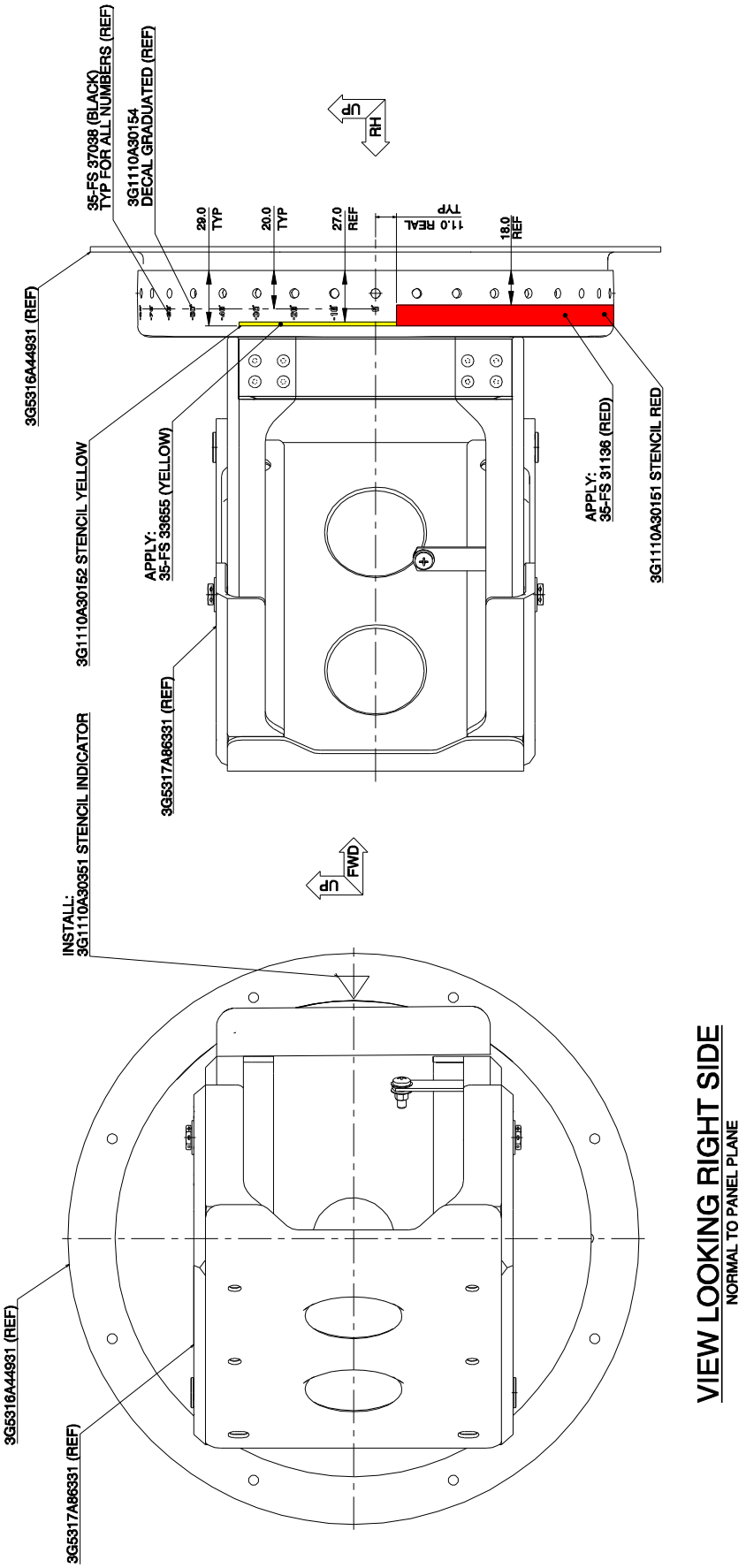

35-FS 37038 (BLACK)
TYP FOR ALL NUMBERS (REF)
3G1110A30154
DECAL GRADUATED (REF)
UP
RH
28.0
TYP
20.0
TYP
27.0
REF
11.0 REAL
TYP
18.0
REF
3G5316A44931 (REF)
3G1110A30152 STENCIL YELLOW
APPLY:
35-FS 33655 (YELLOW)
APPLY:
35-FS 31136 (RED)
3G1110A30151 STENCIL RED
3G5317A86331 (REF)
INSTALL:
3G1110A30351 STENCIL INDICATOR
UP
FWD
3G5316A44931 (REF)
3G5317A86331 (REF)
VIEW LOOKING RIGHT SIDE
NORMAL TO PANEL PLANE

Figure 77

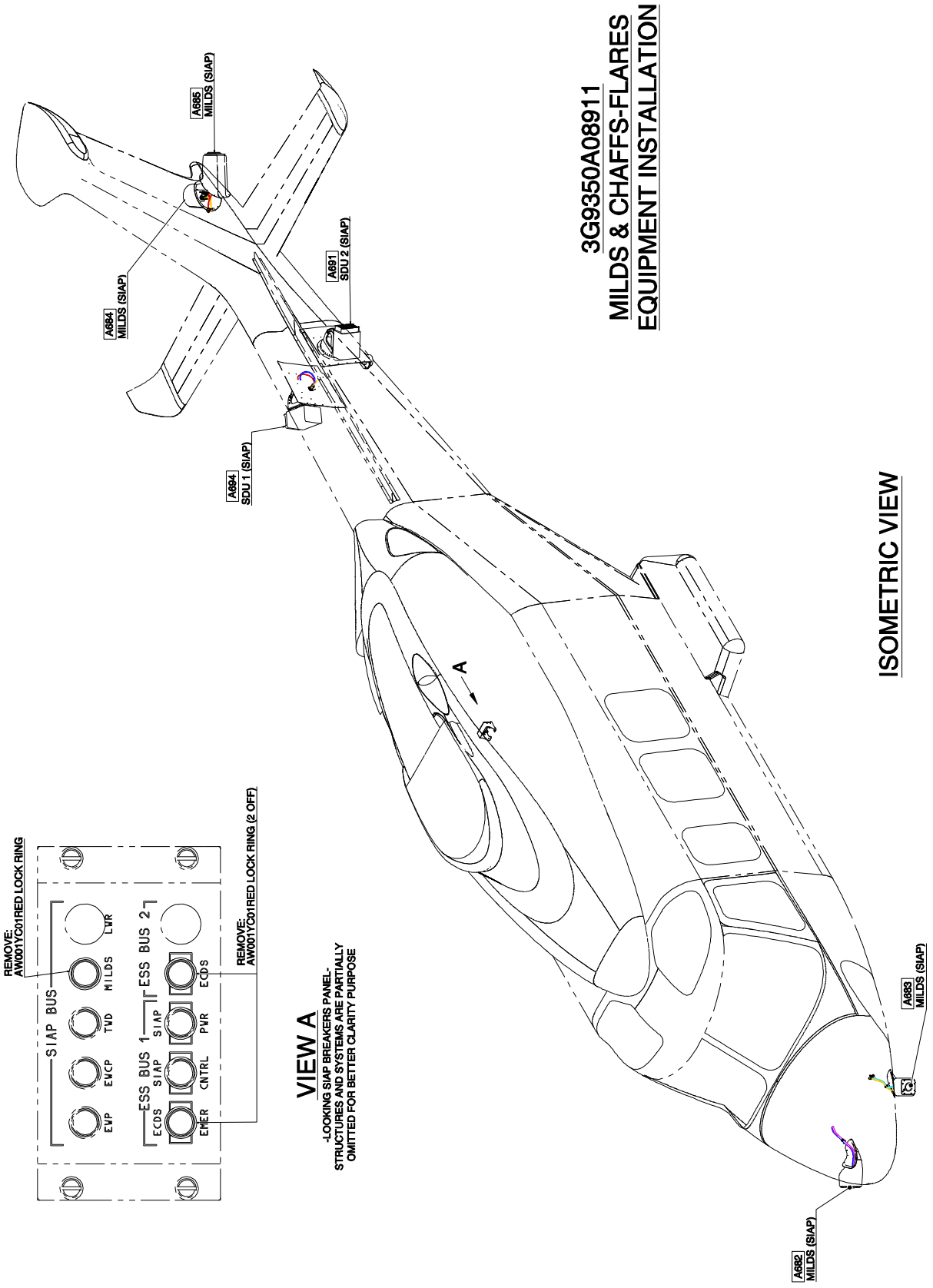
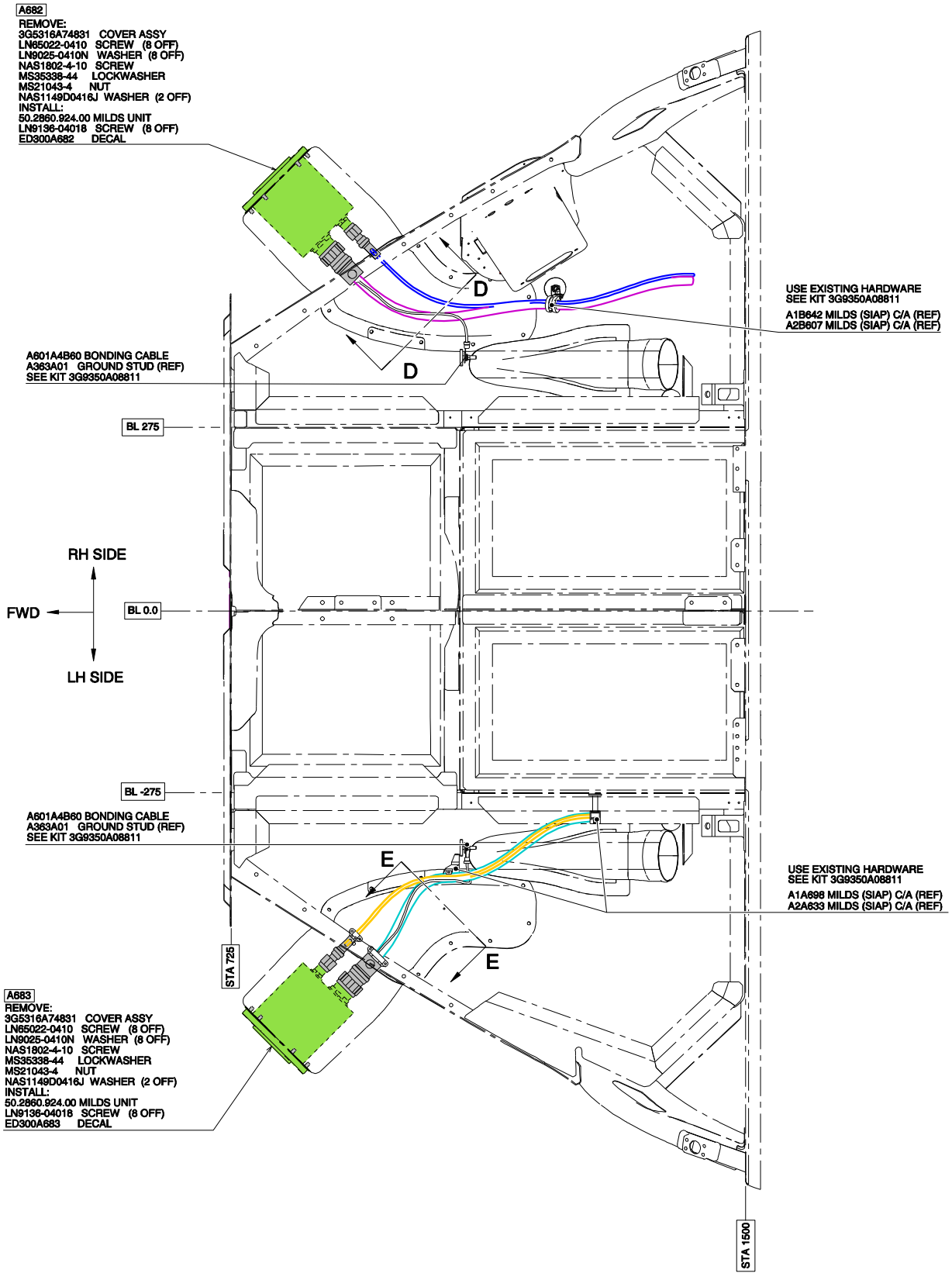

3G9350A08911
MILDS & CHAFFS-FLARES
EQUIPMENT INSTALLATION
ISOMETRIC VIEW
A685
MILDS (SIAP)
A684
MILDS (SIAP)
A691
SDU 2 (SIAP)
A694
SDU 1 (SIAP)
A682
MILDS (SIAP)
A683
MILDS (SIAP)
A
A
VIEW A
-LOOKING SIAP BREAKERS PANEL-
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE
REMOVE:
AW001YC01RED LOCK RING
REMOVE:
AW001YC01RED LOCK RING (2 OFF)
SIAP BUS
EWP
EWCP
TWD
MILDS
LWR
ESS BUS 1
ECDS
SIAP
EMER
CNTRL
ESS BUS 2
SIAP
PWR
ECDS

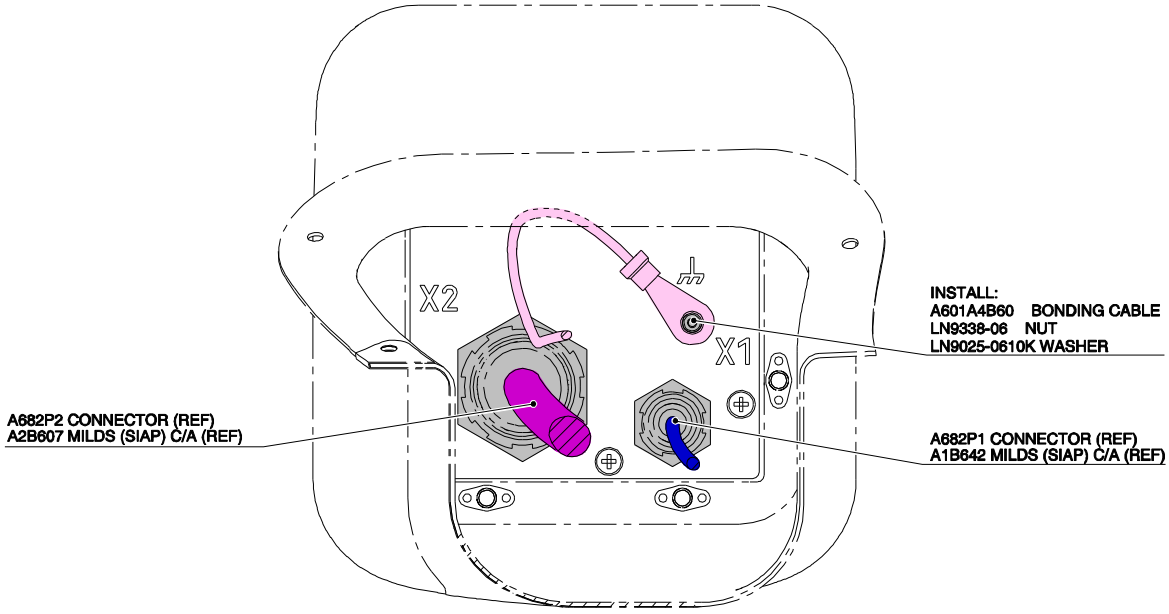
Figure 78



VIEW LOOKING DOWN NOSE AREA

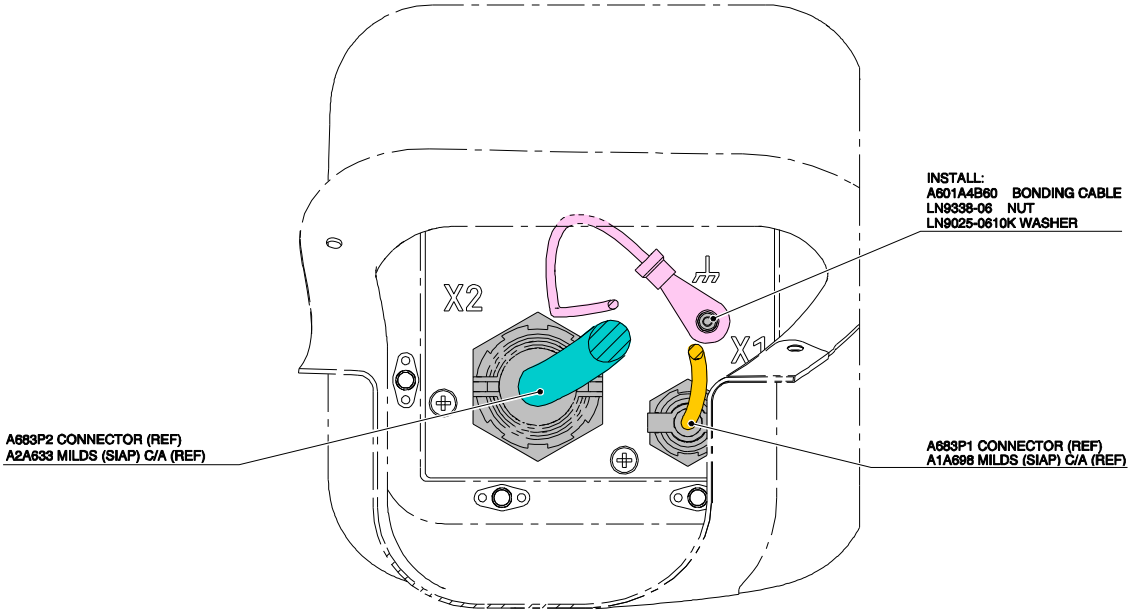
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE

Figure 79



VIEW D-D

STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE



VIEW E-E

STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

Figure 80

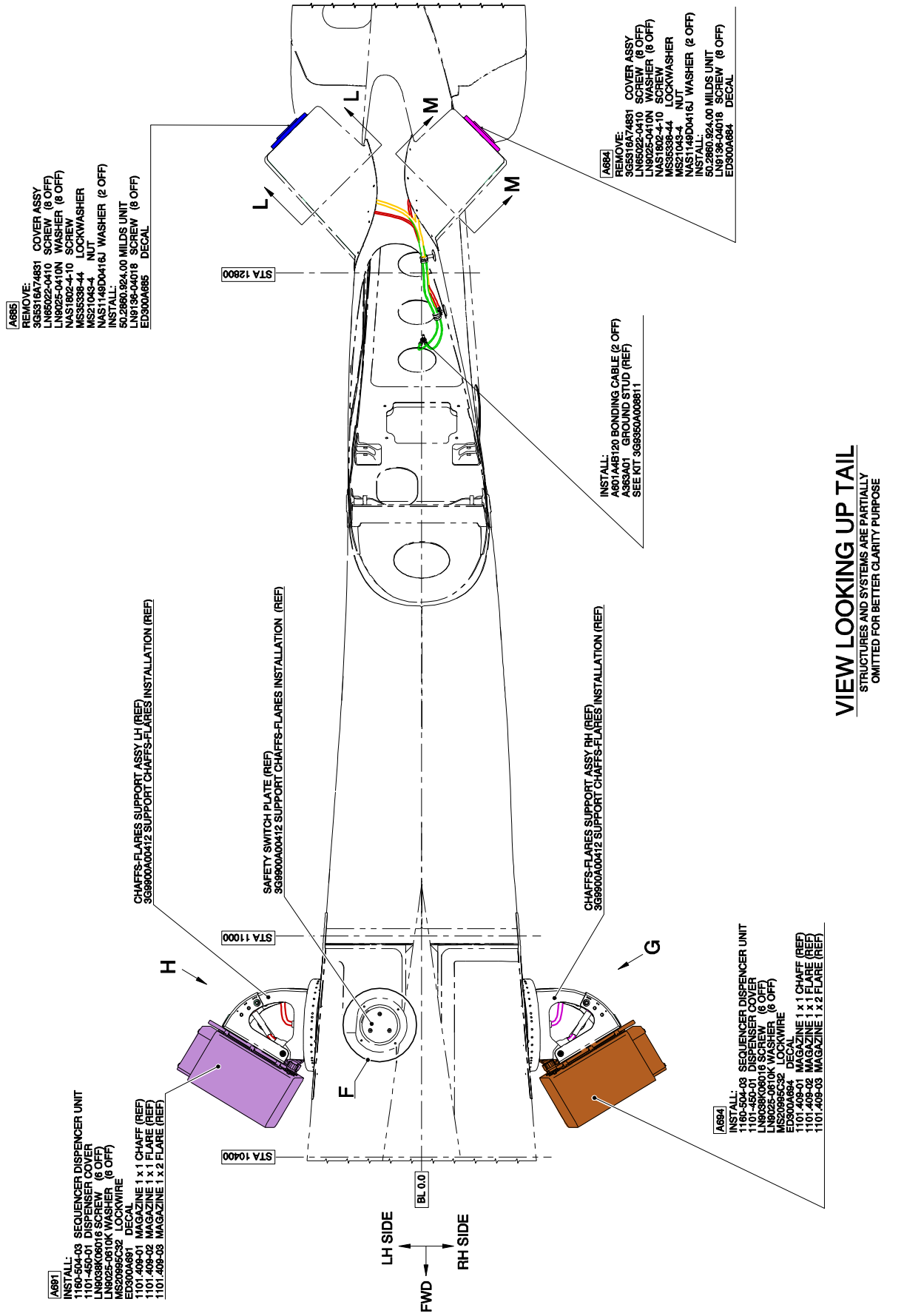

VIEW LOOKING UP TAIL
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
A685
REMOVE:
3G5316A74831 COVER ASSY
LN65022-0410 SCREW (8 OFF)
LN9025-0410N WASHER (8 OFF)
NAS1602-410 SCREW
MS35338-44 LOCKWASHER
MS21043-4 NUT
NAS1149D0416J WASHER (2 OFF)
INSTALL:
50.2860.924.00 MILDS UNIT
LN9136-04018 SCREW (8 OFF)
ED300A885 DECAL
A684
REMOVE:
3G5316A74831 COVER ASSY
LN65022-0410 SCREW (8 OFF)
LN9025-0410N WASHER (8 OFF)
NAS1602-410 SCREW
MS35338-44 LOCKWASHER
MS21043-4 NUT
NAS1149D0416J WASHER (2 OFF)
INSTALL:
50.2860.924.00 MILDS UNIT
LN9136-04018 SCREW (8 OFF)
ED300A884 DECAL
INSTALL:
A601 A4B120 BONDING CABLE (2 OFF)
A383A01 GROUND STUD (REF)
SEE KIT 3G9350A008811
CHAFFS-FLARES SUPPORT ASSY LH (REF)
3G9900A00412 SUPPORT CHAFFS-FLARES INSTALLATION (REF)
SAFETY SWITCH PLATE (REF)
3G9900A00412 SUPPORT CHAFFS-FLARES INSTALLATION (REF)
CHAFFS-FLARES SUPPORT ASSY RH (REF)
3G9900A00412 SUPPORT CHAFFS-FLARES INSTALLATION (REF)
STA 12800
STA 11000
STA 10400
BL 0.0
L
M
H
F
G
LH SIDE
RH SIDE
FWD
A691
INSTALL:
1160-504-03 SEQUENCER DISPENCER UNIT
1101-450-01 DISPENSER COVER
LN9038K06016 SCREW (6 OFF)
LN9025-0610K WASHER (6 OFF)
MS20995C32 LOCKWIRE
ED300A691 DECAL
1101.409-01 MAGAZINE 1 x 1 CHAFF (REF)
1101.409-02 MAGAZINE 1 x 1 FLARE (REF)
1101.409-03 MAGAZINE 1 x 2 FLARE (REF)
A694
INSTALL:
1160-504-03 SEQUENCER DISPENCER UNIT
1101-450-01 DISPENSER COVER
LN9038K06016 SCREW (6 OFF)
LN9025-0610K WASHER (6 OFF)
MS20995C32 LOCKWIRE
ED300A694 DECAL
1101.409-01 MAGAZINE 1 x 1 CHAFF (REF)
1101.409-02 MAGAZINE 1 x 1 FLARE (REF)
1101.409-03 MAGAZINE 1 x 2 FLARE (REF)

Figure 81

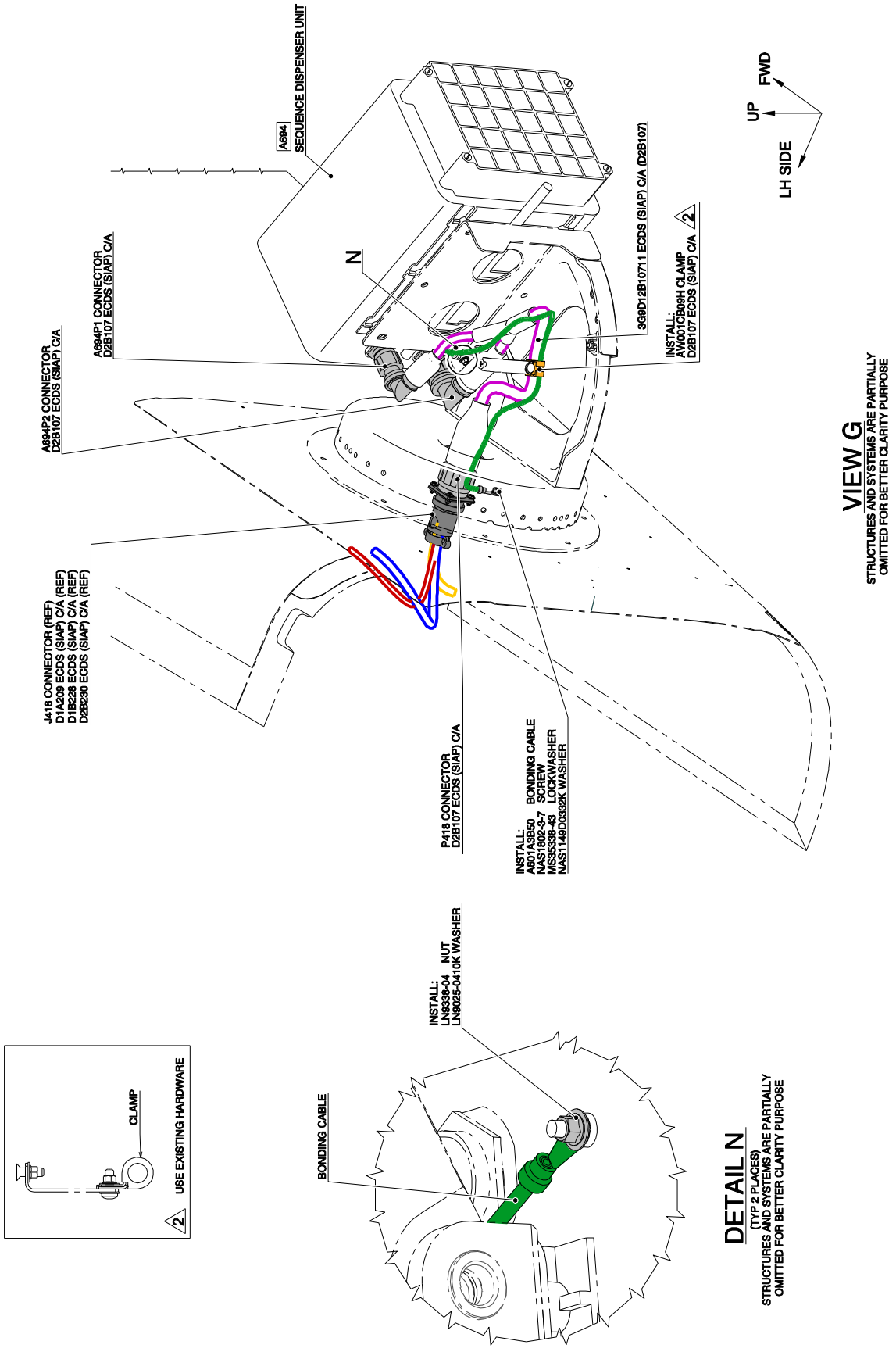

A694 SEQUENCE DISPENSER UNIT
A694P1 CONNECTOR D2B107 ECDS (SIAP) C/A
A694P2 CONNECTOR D2B107 ECDS (SIAP) C/A
J418 CONNECTOR (REF) D1A209 ECDS (SIAP) C/A (REF) D1B228 ECDS (SIAP) C/A (REF) D2B230 ECDS (SIAP) C/A (REF)
P418 CONNECTOR D2B107 ECDS (SIAP) C/A
INSTALL: A601A3B50 BONDING CABLE NAS1802-3-7 SCREW MS35338-43 LOCKWASHER NAS1149D0332K WASHER
INSTALL: AW001CB09H CLAMP D2B107 ECDS (SIAP) C/A 2
339D12B10711 ECDS (SIAP) C/A (D2B107)
N
UP FWD
LH SIDE
VIEW G
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
CLAMP
2 USE EXISTING HARDWARE
INSTALL: LN9336-04 NUT LN9025-0410K WASHER
BONDING CABLE
DETAIL N
(TYP 2 PLACES)
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

Figure 82

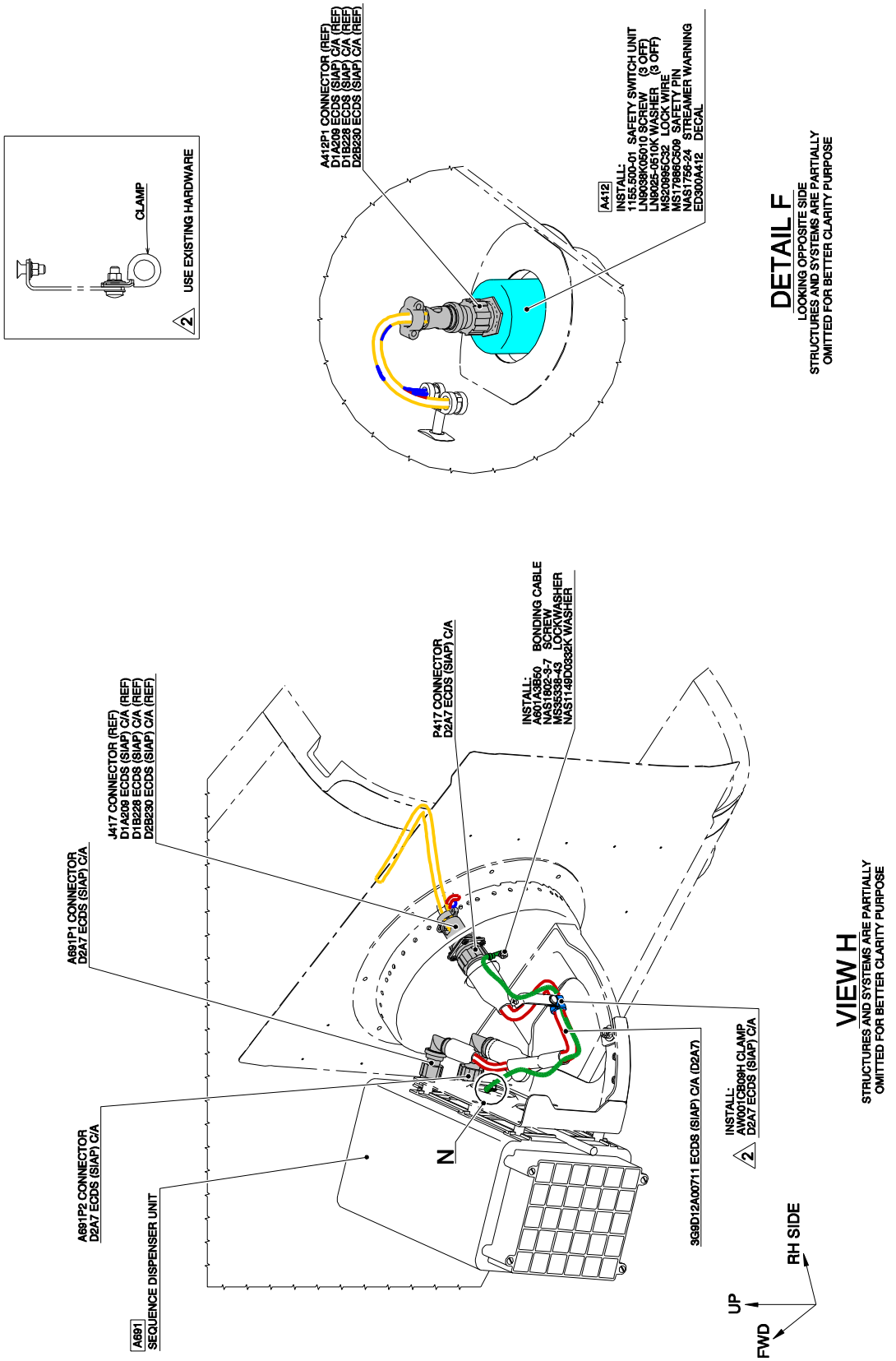
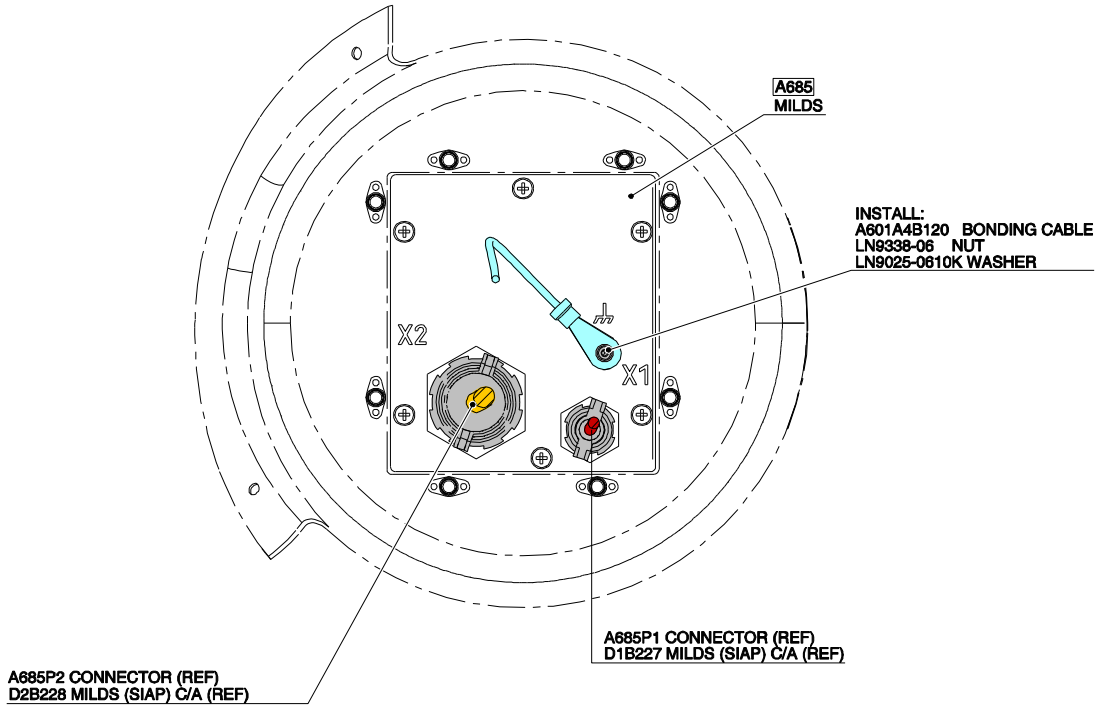
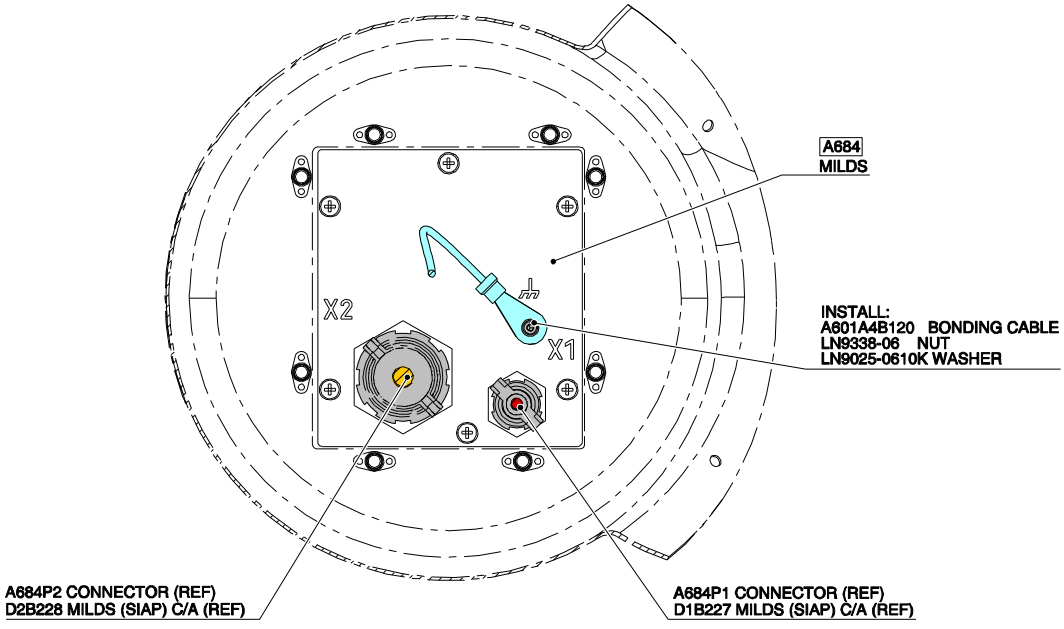

A412P1 CONNECTOR (REF)
D1A209 ECDS (SIAP) C/A (REF)
D1B228 ECDS (SIAP) C/A (REF)
D2B230 ECDS (SIAP) C/A (REF)
A412
INSTALL:
1155.500-01 SAFETY SWITCH UNIT
LN9038K05010 SCREW (3 OFF)
LN9025-0510K WASHER (3 OFF)
MS20995C32 LOCK WIRE
MS17986C609 SAFETY PIN
NAS1756-24 STREAMER WARNING
ED300A412 DECAL
DETAIL F
LOOKING OPPOSITE SIDE
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE
CLAMP
2
USE EXISTING HARDWARE
J417 CONNECTOR (REF)
D1A209 ECDS (SIAP) C/A (REF)
D1B228 ECDS (SIAP) C/A (REF)
D2B230 ECDS (SIAP) C/A (REF)
P417 CONNECTOR
D2A7 ECDS (SIAP) C/A
INSTALL:
A901A3B50 BONDING CABLE
NAS1802-3-7 SCREW
MS35338-43 LOCKWASHER
NAS1149D0332K WASHER
A691P1 CONNECTOR
D2A7 ECDS (SIAP) C/A
A691P2 CONNECTOR
D2A7 ECDS (SIAP) C/A
A691
SEQUENCE DISPENSER UNIT
N
939D12A00711 ECDS (SIAP) C/A (D2A7)
2
INSTALL:
AW001CB09H CLAMP
D2A7 ECDS (SIAP) C/A
VIEW H
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE
UP
RH SIDE
FWD

Figure 83

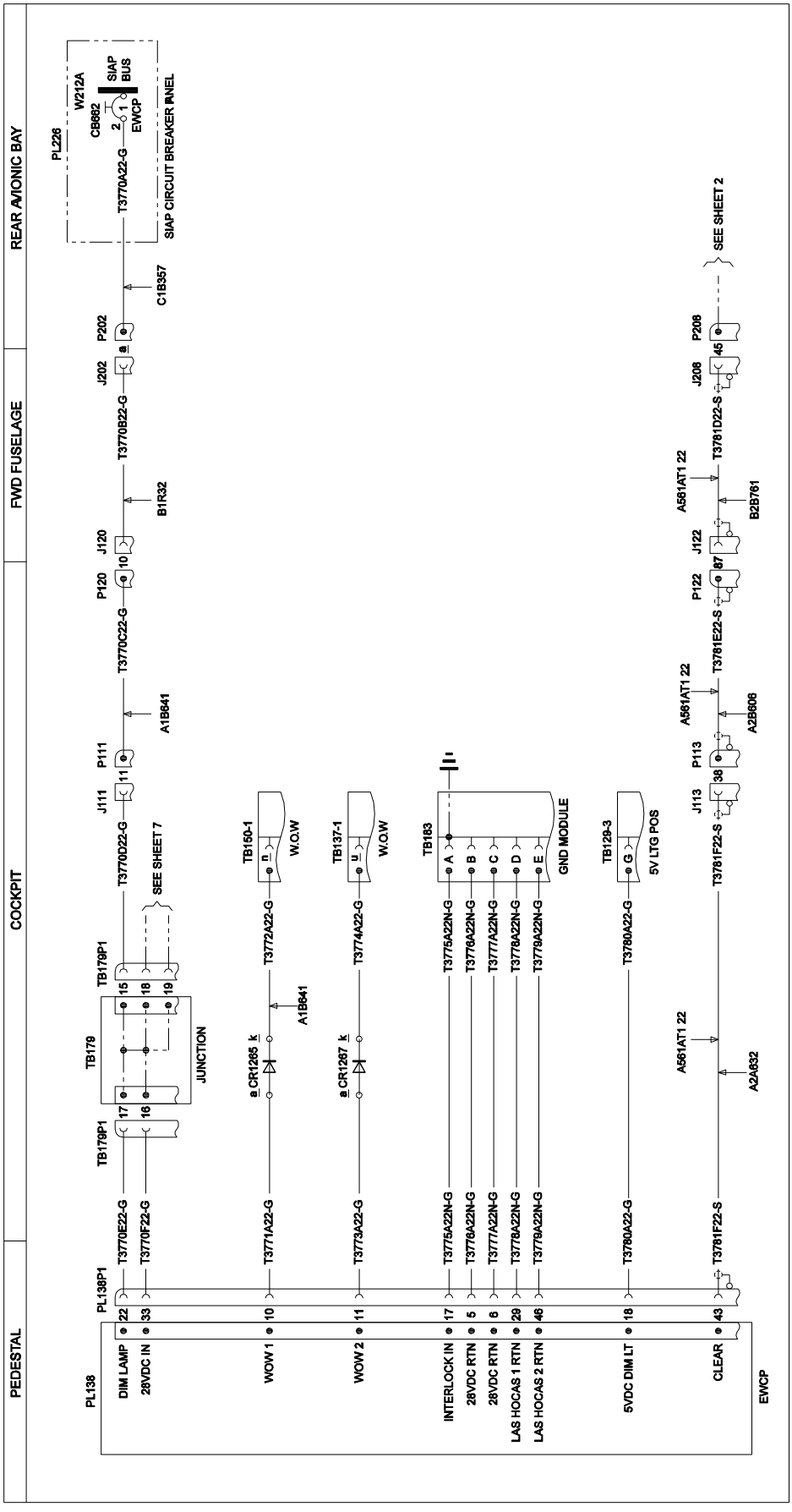


VIEW L-L
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE



VIEW M-M
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

Figure 84



3G9960W00311

WIRING DIAGRAMEWP (SIAP)

SHEET 1

FUNCTIONAL NOTES
ALL CABLES ARE IN LOOMA1A697 UNLESS SPECIFIED
ALL CABLES ARE OF TYPBA558AT 22 UNLESS SPECIFIED

Figure 85

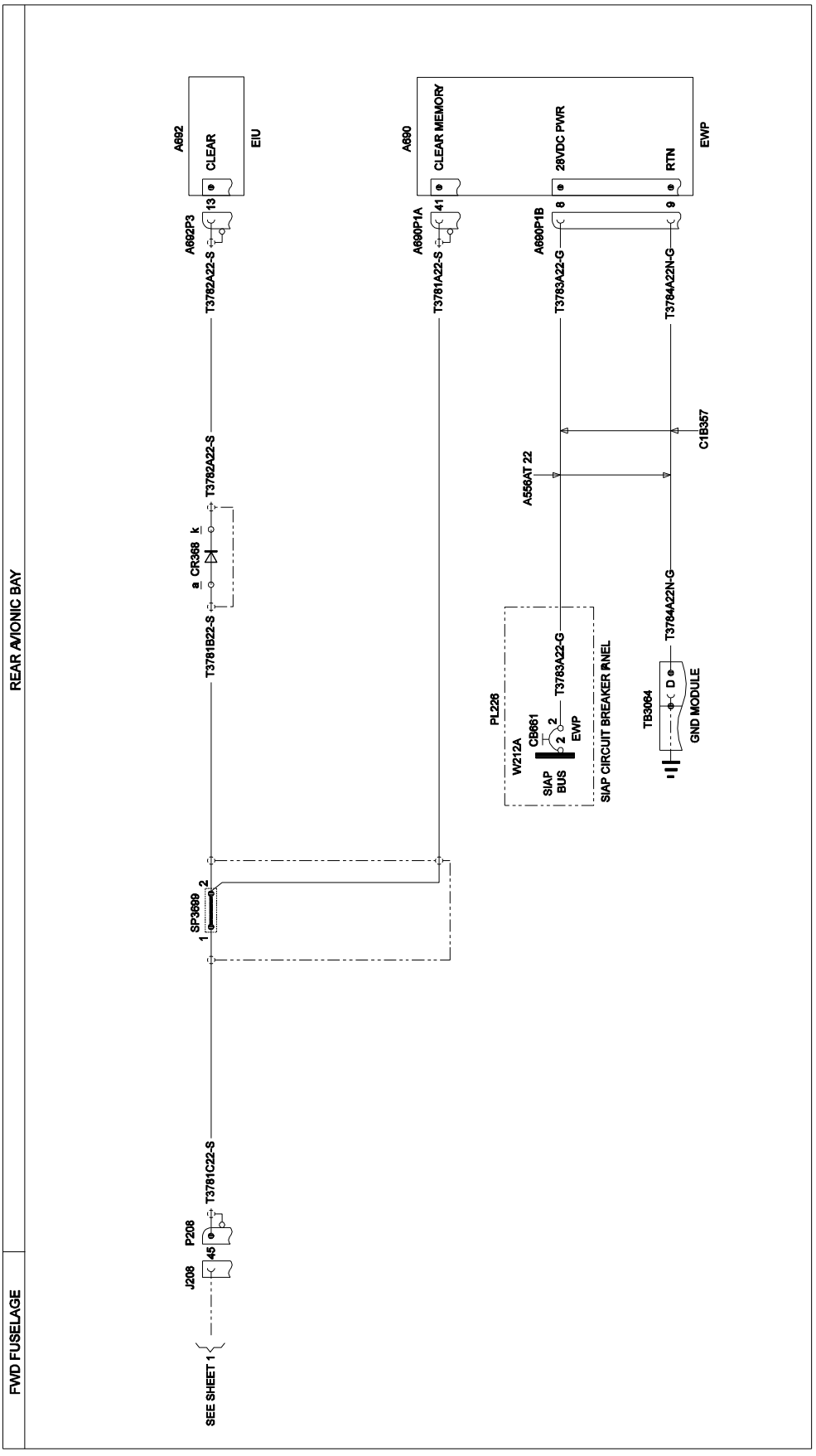

3G9960W00311
WIRING DIAGRAMEWP (SIAP)
SHEET 2
FWD FUSELAGE
REAR AVIONIC BAY
A692
CLEAR
EIU
A690
CLEAR MEMORY
28VDC PWR
RTN
EWP
A692P3
A690P1A
A690P1B
T3782A22-S
T3781A22-S
T3783A22-G
T3784A22N-G
C1B357
A556AT 22
CR368
T3781B22-S
T3782A22-S
SP3699
PL226
W212A
CB661
SIAP BUS
EWP
SIAP CIRCUIT BREAKER PANEL
TB3064
GND MODULE
J208
P208
T3781C22-S
SEE SHEET 1
FUNCTIONAL NOTES
ALL CABLES ARE IN LOOMC2B407 UNLESS SPECIFIED
ALL CABLES ARE OF TYPEA561AT1 22 UNLESS SPECIFIED

Figure 86

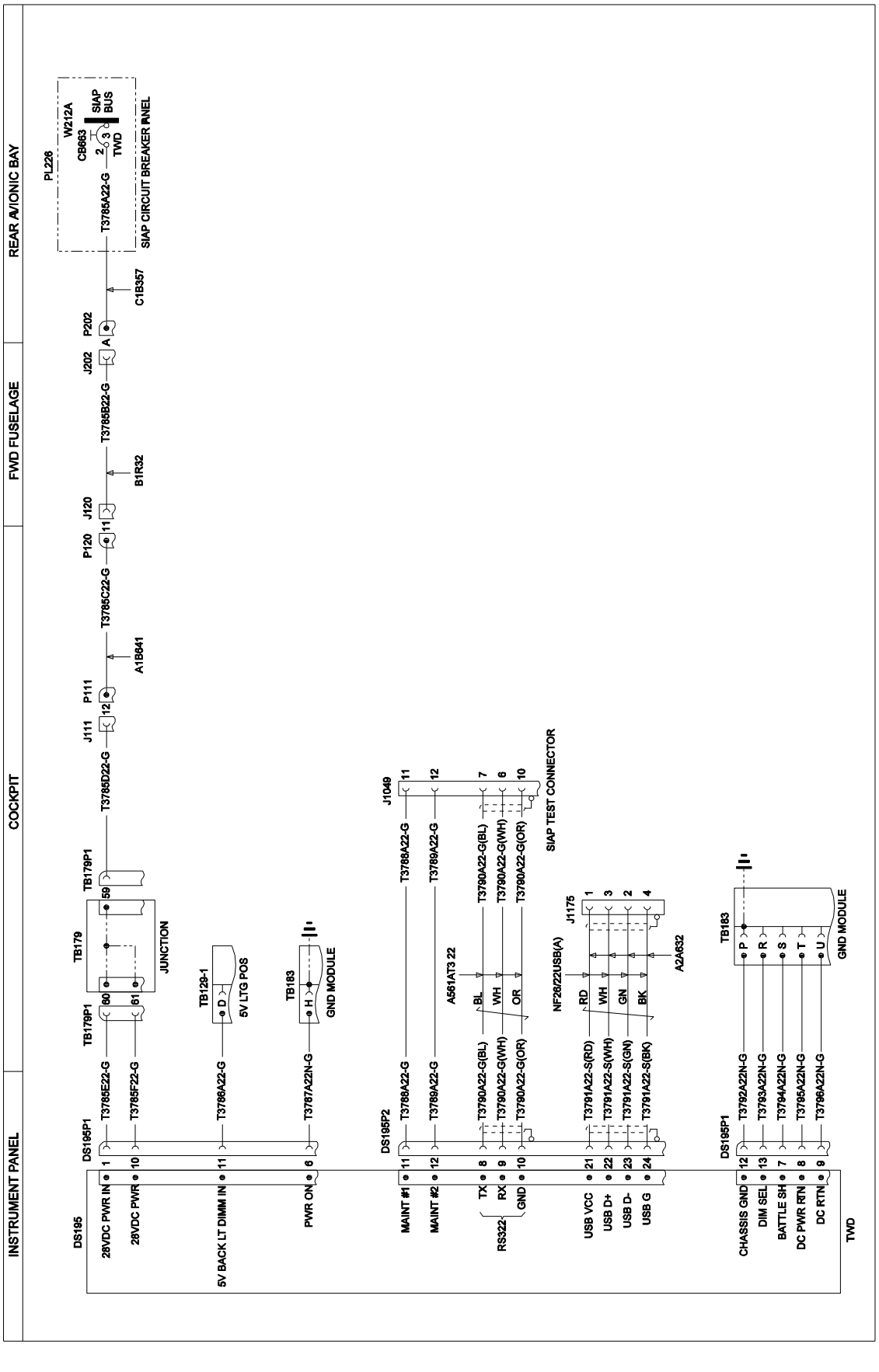

INSTRUMENT PANEL
COCKPIT
FWD FUSELAGE
REAR AVIONIC BAY
3G9960W00311
WIRING DIAGRAMEWP (SIAP)
SHEET 3
FUNCTIONAL NOTES
ALL CABLES ARE IN LOOMA1A697 UNLESS SPECIFIED
ALL CABLES ARE OF TYPBA556AT 22 UNLESS SPECIFIED
SIAP CIRCUIT BREAKER PANEL
SIAP TEST CONNECTOR
JUNCTION
5V LTG POS
GND MODULE
TWD

Figure 87

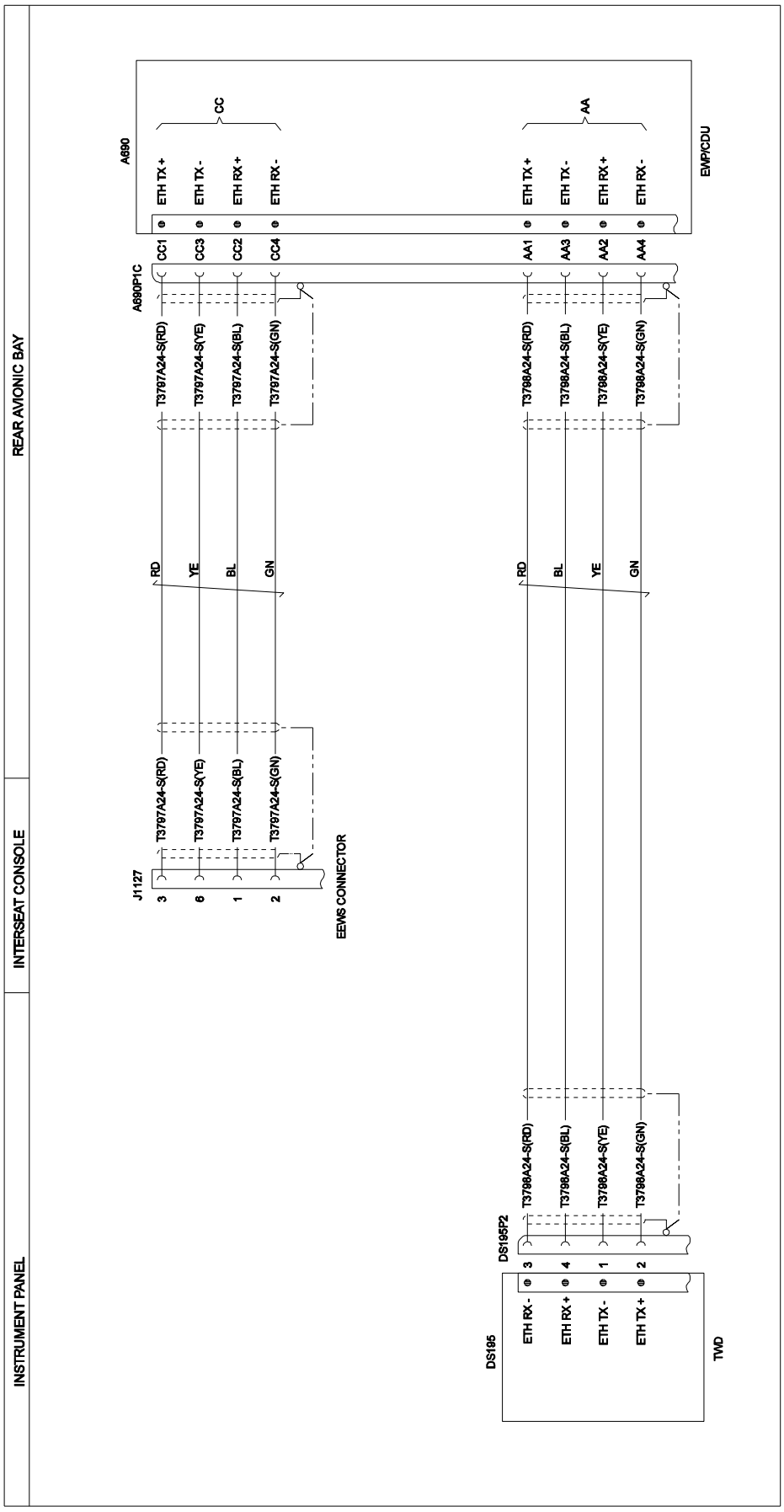
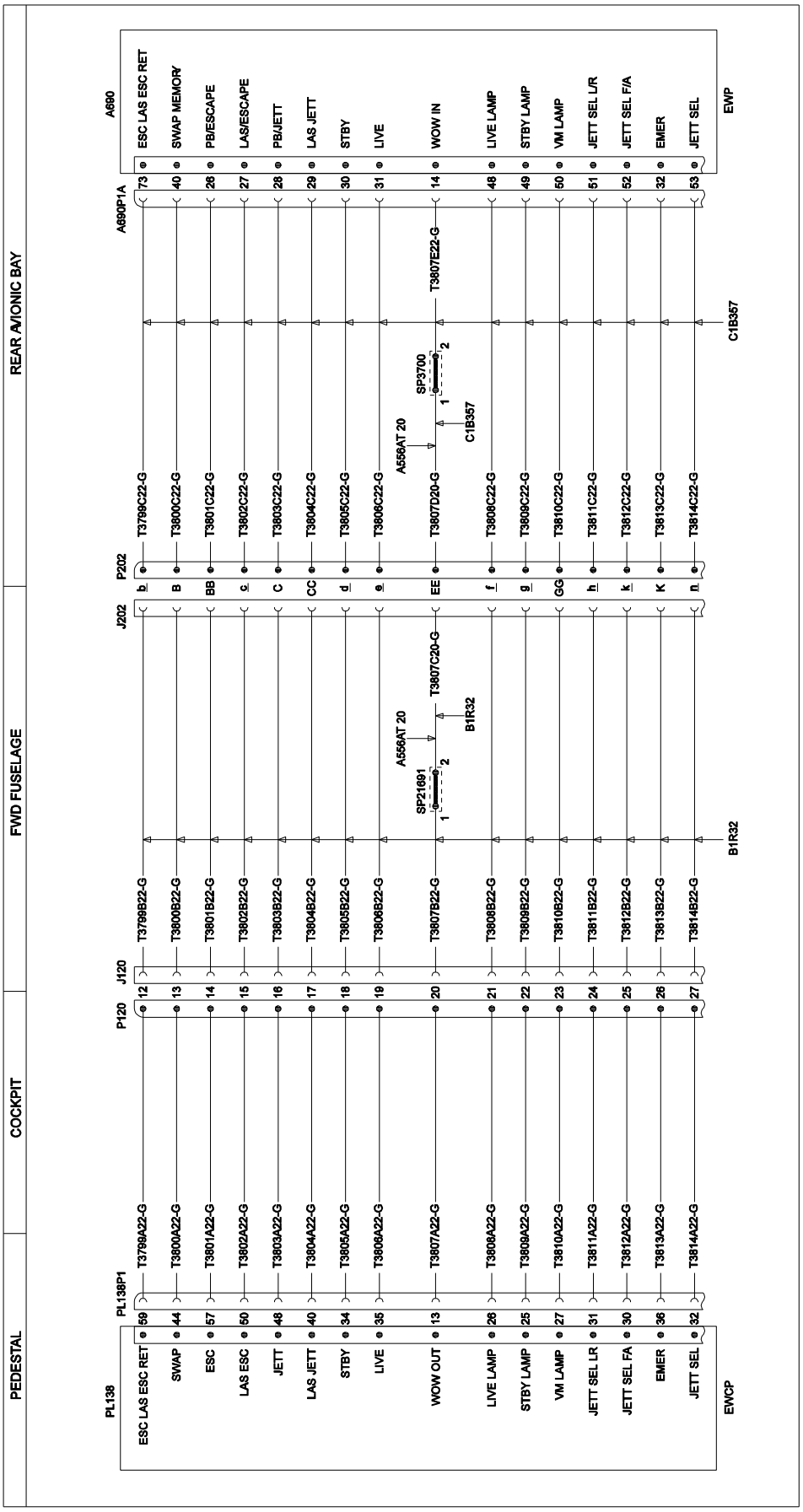

3G9960W00311
WIRING DIAGRAM EWP (SIAP)
SHEET 4
REAR AVIONIC BAY
INTERSEAT CONSOLE
INSTRUMENT PANEL
A690
CC
AA
ETH TX +
ETH TX -
ETH RX +
ETH RX -
EWP/CDU
A690P1C
CC1
CC3
CC2
CC4
AA1
AA3
AA2
AA4
T3797A24-S(RD)
T3797A24-S(YE)
T3797A24-S(BL)
T3797A24-S(GN)
T3798A24-S(RD)
T3798A24-S(BL)
T3798A24-S(YE)
T3798A24-S(GN)
RD
YE
BL
GN
J1127
3
6
1
2
EEWS CONNECTOR
DS195P2
DS195
ETH RX -
ETH RX +
ETH TX -
ETH TX +
TWD
FUNCTIONAL NOTES
ALL CABLES ARE IN LOOM C3B317 UNLESS SPECIFIED
ALL CABLES ARE OF TYPE NF24Q100-01 UNLESS SPECIFIED

Figure 88



3G9960W00311
WIRING DIAGRAMEWP (SIAP)
SHEET 5

FUNCTIONAL NOTES
ALL CABLES ARE IN LOOMA1B641 UNLESS SPECIFIED
ALL CABLES ARE OF TYPBA556AT 22 UNLESS SPECIFIED

Figure 89

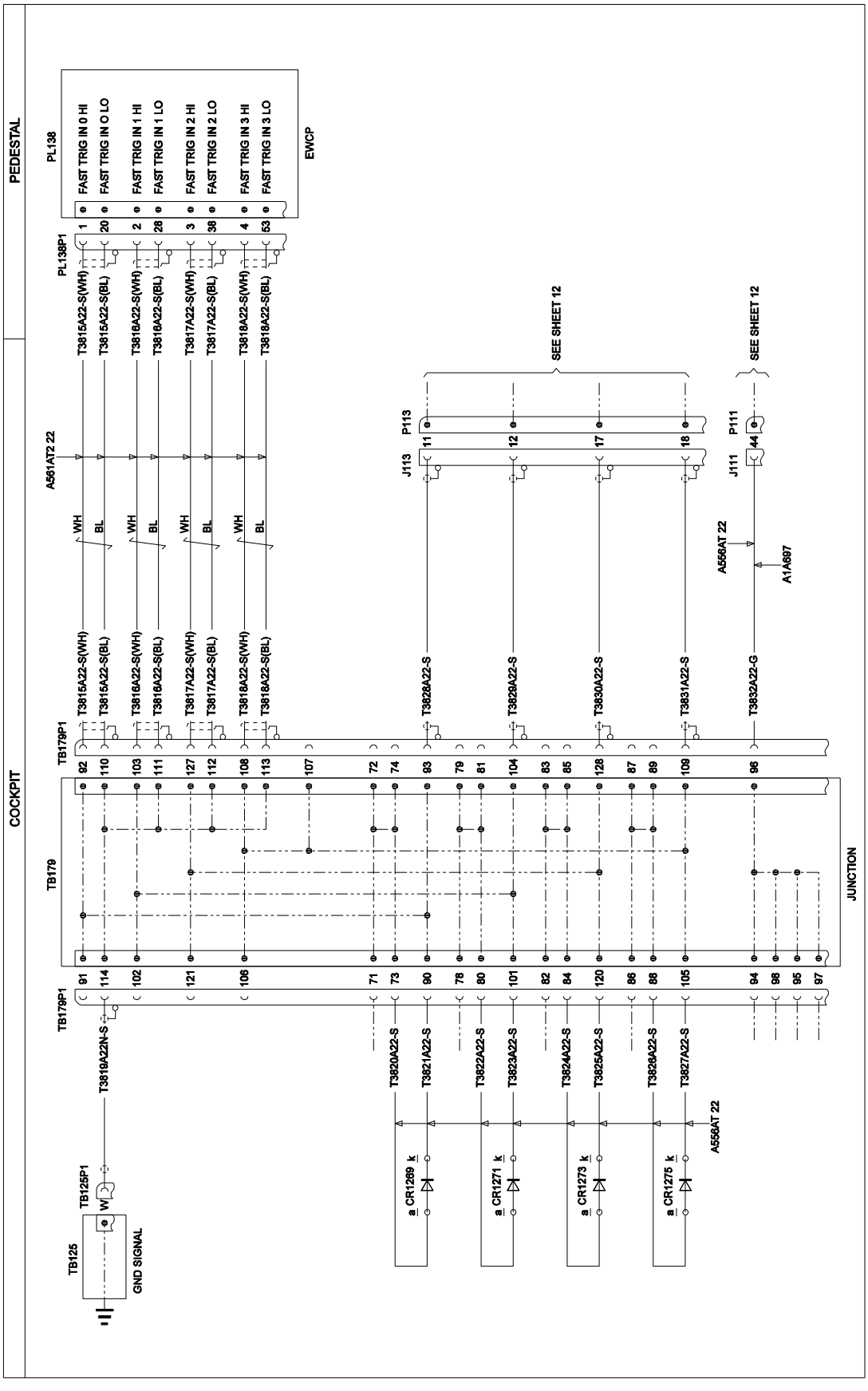

3G9960W00311
WIRING DIAGRAMEWP (SIAP)
SHEET 6
PEDESTAL
COCKPIT
JUNCTION
EWCP
PL138
PL138P1
FAST TRIG IN 0 HI
FAST TRIG IN 0 LO
FAST TRIG IN 1 HI
FAST TRIG IN 1 LO
FAST TRIG IN 2 HI
FAST TRIG IN 2 LO
FAST TRIG IN 3 HI
FAST TRIG IN 3 LO
A561AT2 22
TB179
TB179P1
TB125
TB125P1
GND SIGNAL
SEE SHEET 12
A556AT 22
A1A697
J113
P113
J111
P111
FUNCTIONAL NOTES
ALL CABLES ARE IN LOOMA2A632 UNLESS SPECIFIED
ALL CABLES ARE OF TYPEA561AT1 22 UNLESS SPECIFIED

Figure 90

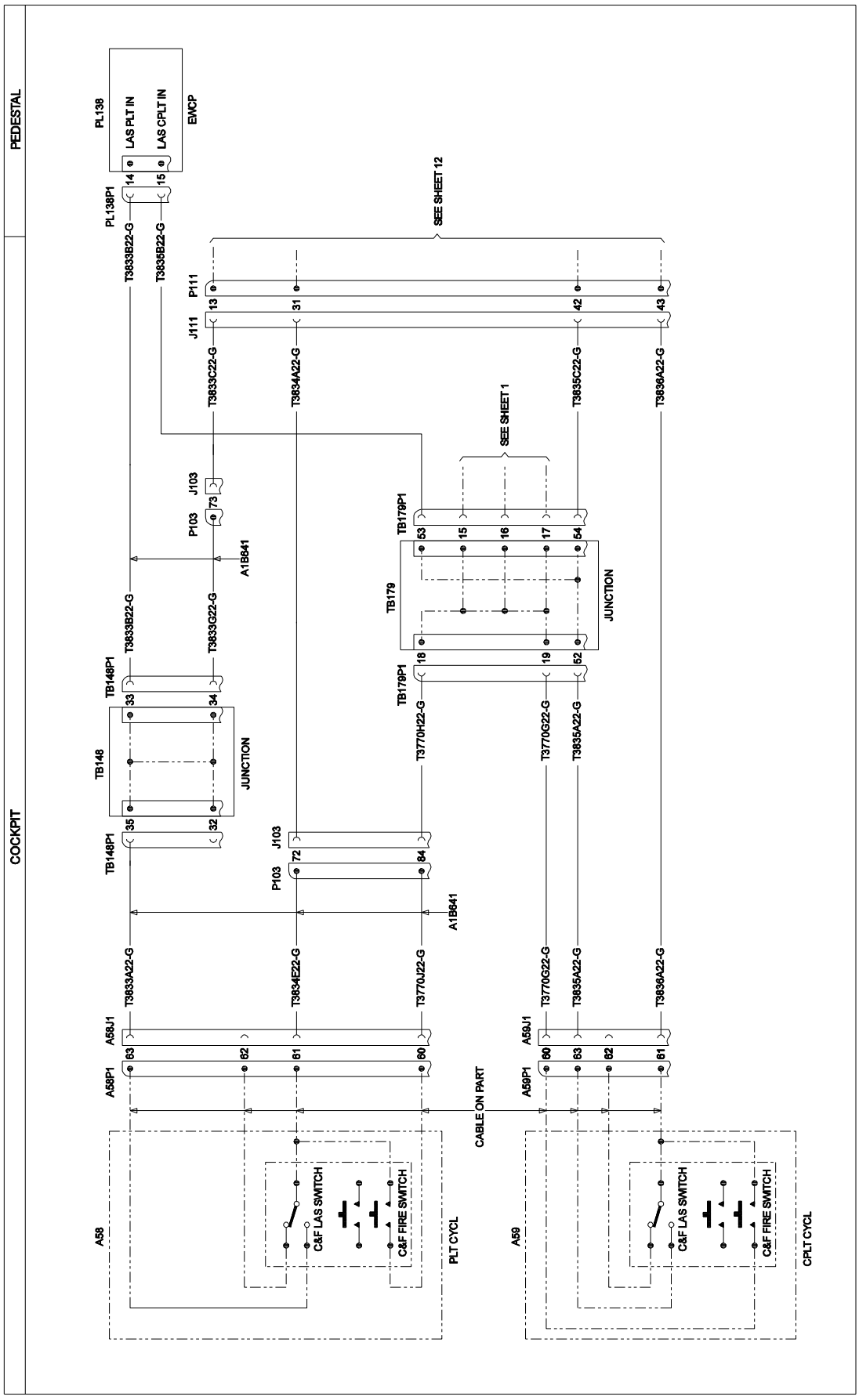

3G9960W00311
WIRING DIAGRAM EWP (SIAP)
SHEET 7
PEDESTAL
COCKPIT
PL138
LAS PLT IN
LAS CPLT IN
EWCP
PL138P1
T3833B22-G
T3836B22-G
SEE SHEET 12
P111
J111
T3833C22-G
T3834A22-G
T3835C22-G
T3836A22-G
SEE SHEET 1
J103
P103
A1B641
TB179P1
TB179
JUNCTION
TB148P1
TB148
T3833G22-G
T3770H22-G
T3770G22-G
T3835A22-G
T3834E22-G
T3770J22-G
A59J1
A59P1
CABLE ON PART
A58
A59
C&F LAS SWITCH
C&F FIRE SWITCH
PLT CYCL
CPLT CYCL
FUNCTIONAL NOTES
ALL CABLES ARE IN LOOM A1A697 UNLESS SPECIFIED
ALL CABLES ARE OF TYPE A556AT 22 UNLESS SPECIFIED

Figure 91

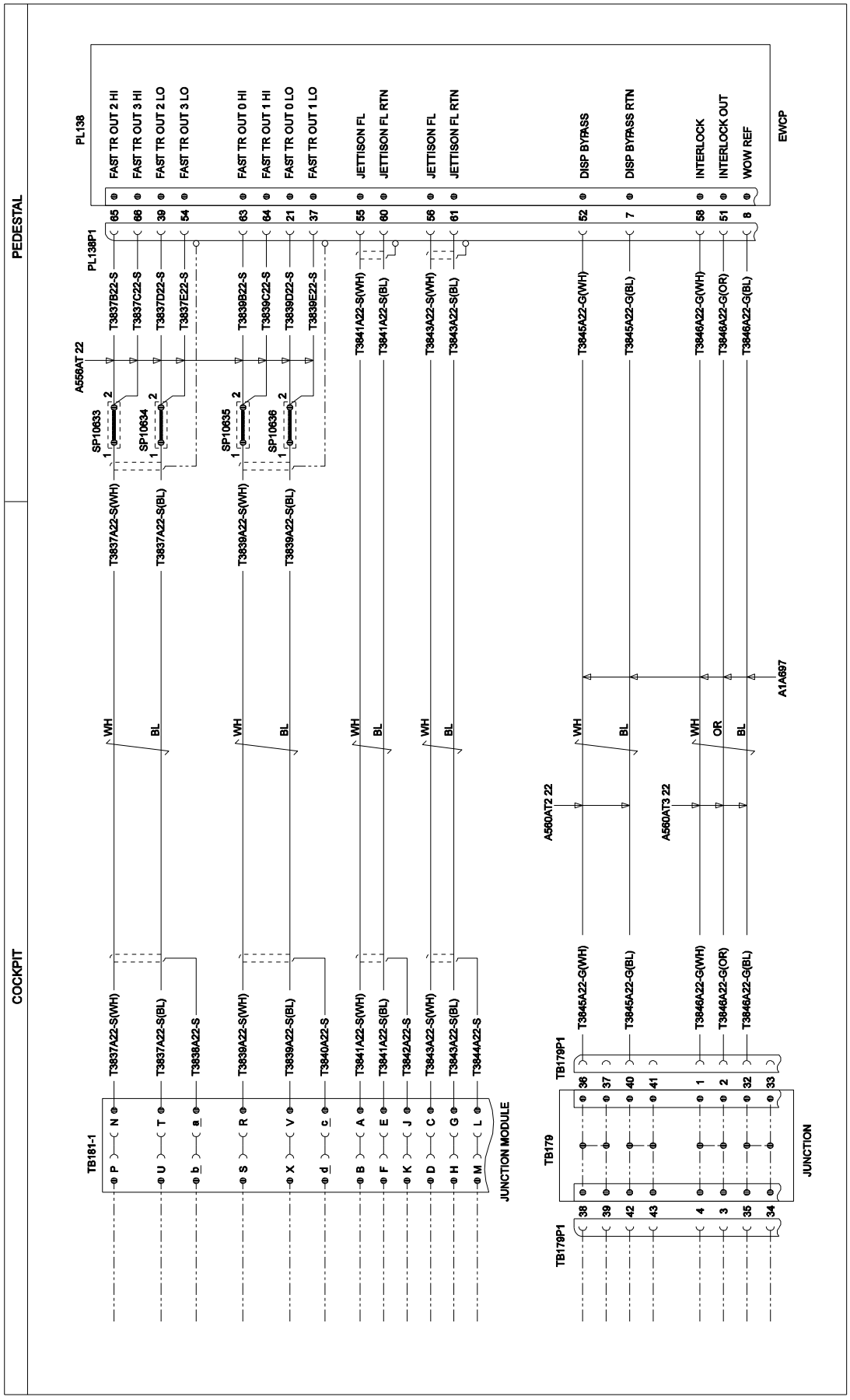
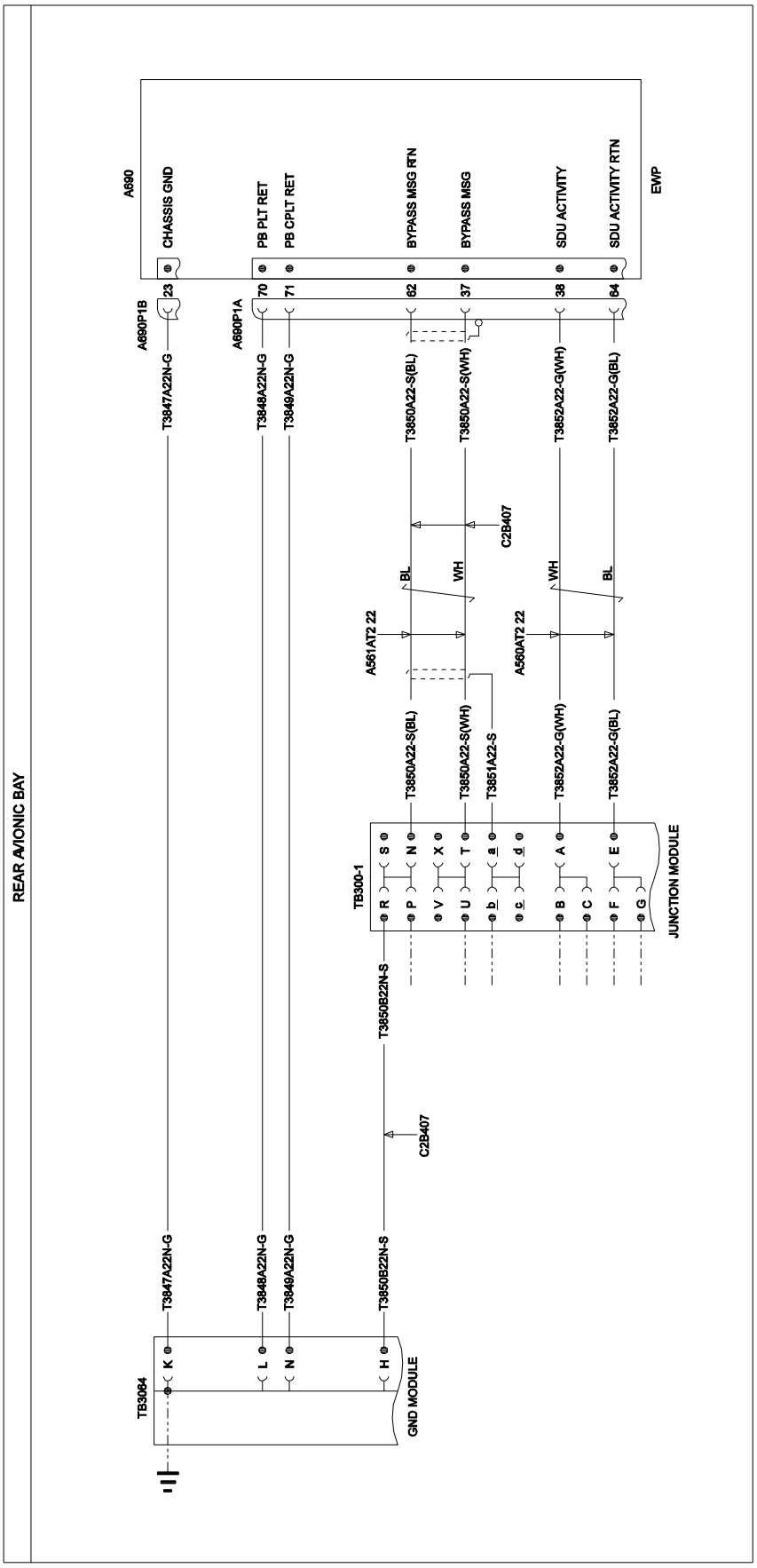

COCKPIT
PEDESTAL
3G9960W00311
WIRING DIAGRAMEWP (SIAP)
SHEET 8
PL138
PL138P1
A558AT 22
FAST TR OUT 2 HI
FAST TR OUT 3 HI
FAST TR OUT 2 LO
FAST TR OUT 3 LO
FAST TR OUT 0 HI
FAST TR OUT 1 HI
FAST TR OUT 0 LO
FAST TR OUT 1 LO
JETTISON FL
JETTISON FL RTN
JETTISON FL
JETTISON FL RTN
DISP BYPASS
DISP BYPASS RTN
INTERLOCK
INTERLOCK OUT
WOW REF
EWCP
SP10633
SP10634
SP10635
SP10636
T3837B22-S
T3837C22-S
T3837D22-S
T3837E22-S
T3839B22-S
T3839C22-S
T3839D22-S
T3839E22-S
T3841A22-S(WH)
T3841A22-S(BL)
T3843A22-S(WH)
T3843A22-S(BL)
T3845A22-G(WH)
T3845A22-G(BL)
T3846A22-G(WH)
T3846A22-G(OR)
T3846A22-G(BL)
T3837A22-S(WH)
T3837A22-S(BL)
T3838A22-S
T3839A22-S(WH)
T3839A22-S(BL)
T3840A22-S
T3841A22-S(WH)
T3841A22-S(BL)
T3842A22-S
T3843A22-S(WH)
T3843A22-S(BL)
T3844A22-S
TB181-1
JUNCTION MODULE
WH
BL
OR
A560AT2 22
A560AT3 22
A1A697
TB179
TB179P1
JUNCTION
FUNCTIONAL NOTES
ALL CABLES ARE IN LOOMA2A632 UNLESS SPECIFIED
ALL CABLES ARE OF TYPEA561AT2 22 UNLESS SPECIFIED

Figure 92

3G9960W00311
WIRING DIAGRAMEWP (SIAP)
SHEET 9



FUNCTIONAL NOTES
ALL CABLES ARE IN LOOMC1B357 UNLESS SPECIFIED
ALL CABLES ARE OF TYPBA56AT 22 UNLESS SPECIFIED

Figure 93

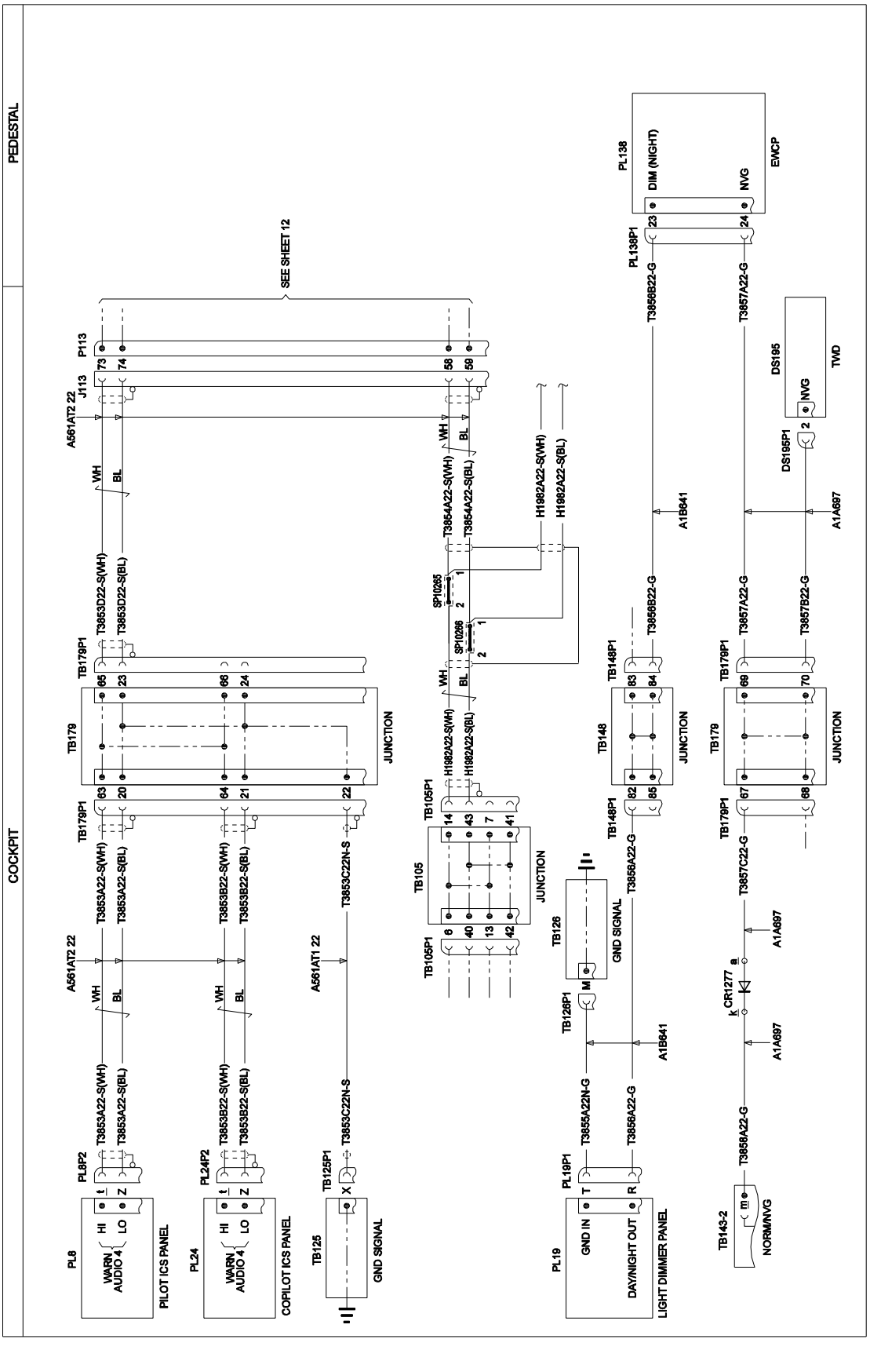

COCKPIT
PEDESTAL
3G9960W00311
WIRING DIAGRAM EWP (SIAP)
SHEET 10
SEE SHEET 12
PL8
PL8P2
PILOT ICS PANEL
PL24
PL24P2
COPILOT ICS PANEL
TB125
TB125P1
GND SIGNAL
A561AT2 22
A561AT1 22
TB179
TB179P1
JUNCTION
TB105
TB105P1
TB126
TB126P1
PL19
PL19P1
LIGHT DIMMER PANEL
TB148
TB148P1
PL138
PL138P1
EMCP
DIM (NIGHT)
NVG
DS195
DS195P1
TWD
TB143-2
NORM/NVG
CR1277
A1A697
A1B641
FUNCTIONAL NOTES
ALL CABLES ARE IN LOOM A2A632 UNLESS SPECIFIED
ALL CABLES ARE OF TYPE A556AT 22 UNLESS SPECIFIED

Figure 94

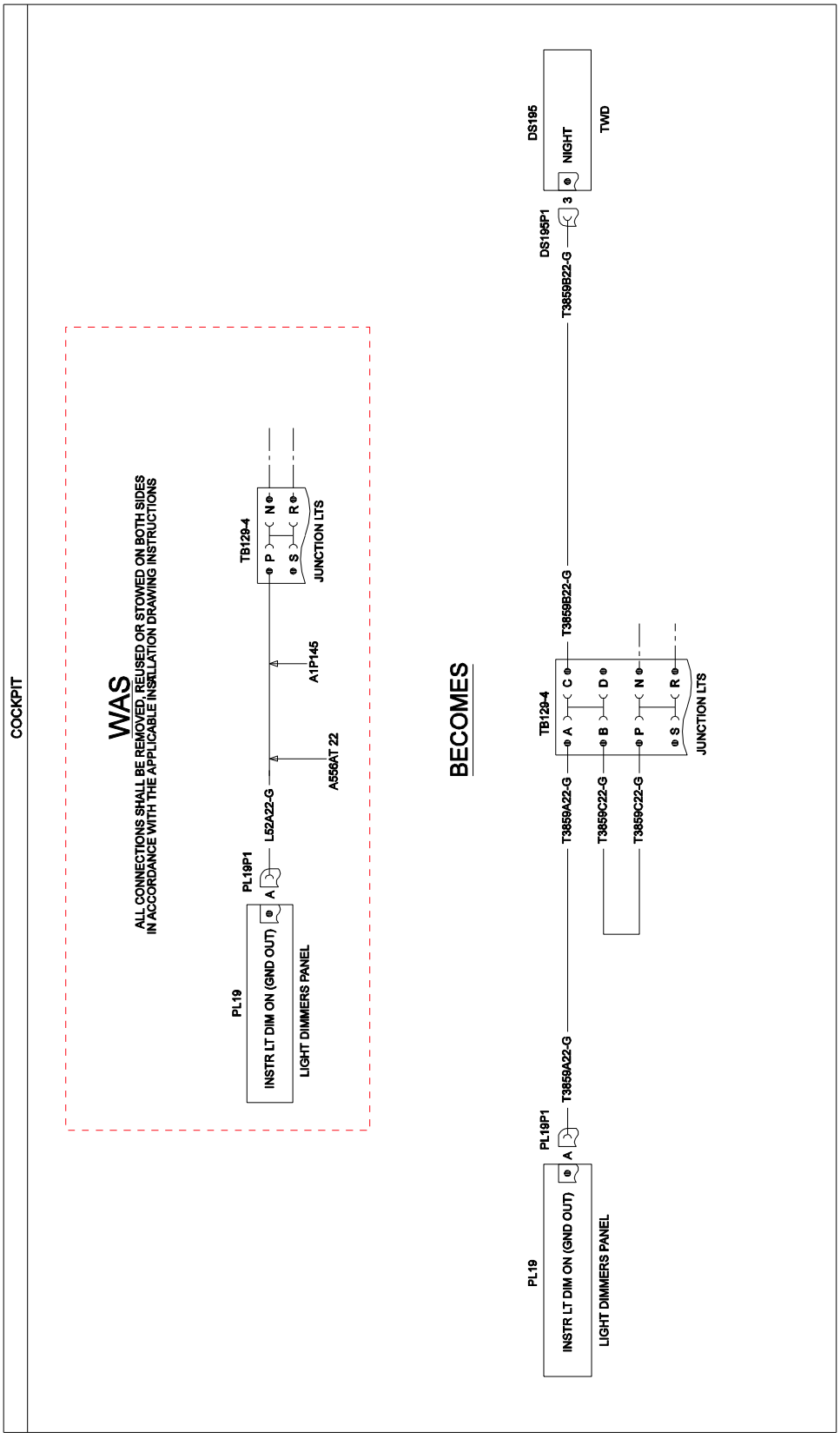

3G9960W00311
WIRING DIAGRAMEWP (SIAP)
SHEET 11
COCKPIT
WAS
ALL CONNECTIONS SHALL BE REMOVED, REUSED OR STOWED ON BOTH SIDES IN ACCORDANCE WITH THE APPLICABLE INSTALLATION DRAWING INSTRUCTIONS
PL19
INSTR LT DIM ON (GND OUT)
LIGHT DIMMERS PANEL
PL19P1
A
L52A22-G
A556AT 22
A1P145
TB129-4
P
S
N
R
JUNCTION LTS
BECOMES
PL19
INSTR LT DIM ON (GND OUT)
LIGHT DIMMERS PANEL
PL19P1
A
T3859A22-G
T3859C22-G
T3859C22-G
TB129-4
A
B
P
S
C
D
N
R
JUNCTION LTS
T3859B22-G
DS195P1
3
T3859B22-G
DS195
NIGHT
TWD
FUNCTIONAL NOTES
ALL CABLES ARE IN LOOMA1A697 UNLESS SPECIFIED
ALL CABLES ARE OF TYPBA556AT 22 UNLESS SPECIFIED

Figure 95

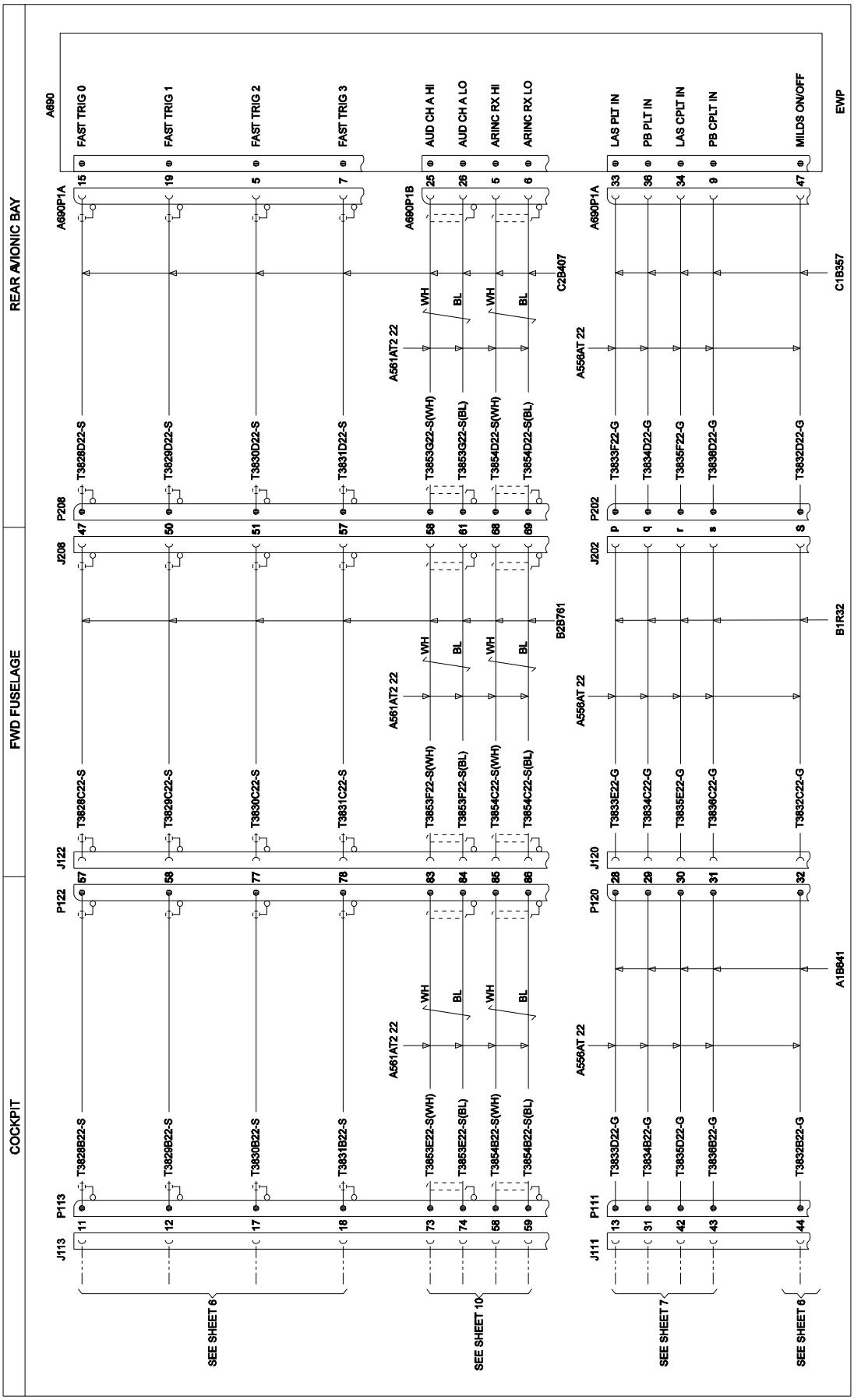

COCKPIT
FWD FUSELAGE
REAR AVIONIC BAY
3G9960W00311
WIRING DIAGRAMEWP (SIAP)
SHEET 12
EWP
FAST TRIG 0
FAST TRIG 1
FAST TRIG 2
FAST TRIG 3
AUD CH A HI
AUD CH A LO
ARINC RX HI
ARINC RX LO
LAS PLT IN
PB PLT IN
LAS CPLT IN
PB CPLT IN
MILDS ON/OFF
SEE SHEET 6
SEE SHEET 10
SEE SHEET 7
SEE SHEET 6
FUNCTIONAL NOTES
ALL CABLES ARE IN LOOMA2B606 UNLESS SPECIFIED
ALL CABLES ARE OF TYPEA561AT1 22 UNLESS SPECIFIED

Figure 96

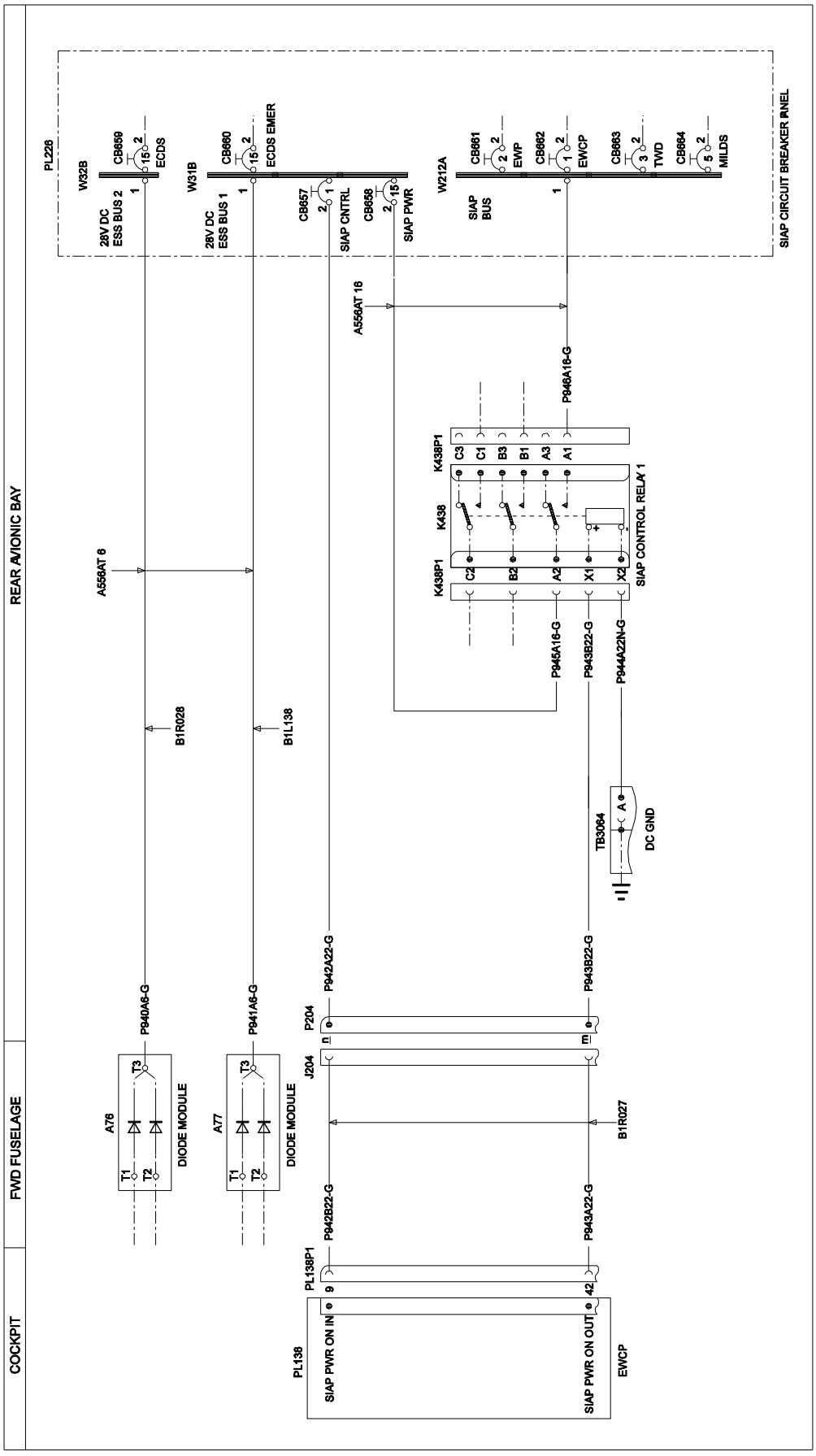

3G2460W09711
WIRING DIAGRAM SIAP POWER
SHEET 1
COCKPIT
FWD FUSELAGE
REAR AVIONIC BAY
PL226
SIAP CIRCUIT BREAKER PANEL
W32B
28V DC ESS BUS 2
CB659
ECDS
W31B
28V DC ESS BUS 1
CB660
ECDS EMER
CB657
SIAP CNTRL
CB658
SIAP PWR
W212A
SIAP BUS
CB661
EWP
CB662
EWCP
CB663
TWD
CB664
MILDS
A556AT 16
A556AT 6
P946A16-G
K438P1
K438
SIAP CONTROL RELAY 1
P945A16-G
P943B22-G
P944A22N-G
TB3064
DC GND
B1R028
B1L138
P940A6-G
P941A6-G
P942A22-G
P943B22-G
P204
J204
A76
A77
DIODE MODULE
B1R027
P942B22-G
P943A22-G
PL138P1
PL138
SIAP PWR ON IN
SIAP PWR ON OUT
EWCP
FUNCTIONAL NOTES
ALL CABLES ARE IN LOOMC1B356 UNLESS SPECIFIED
ALL CABLES ARE OF TYPBA568AT 22 UNLESS SPECIFIED

Figure 97

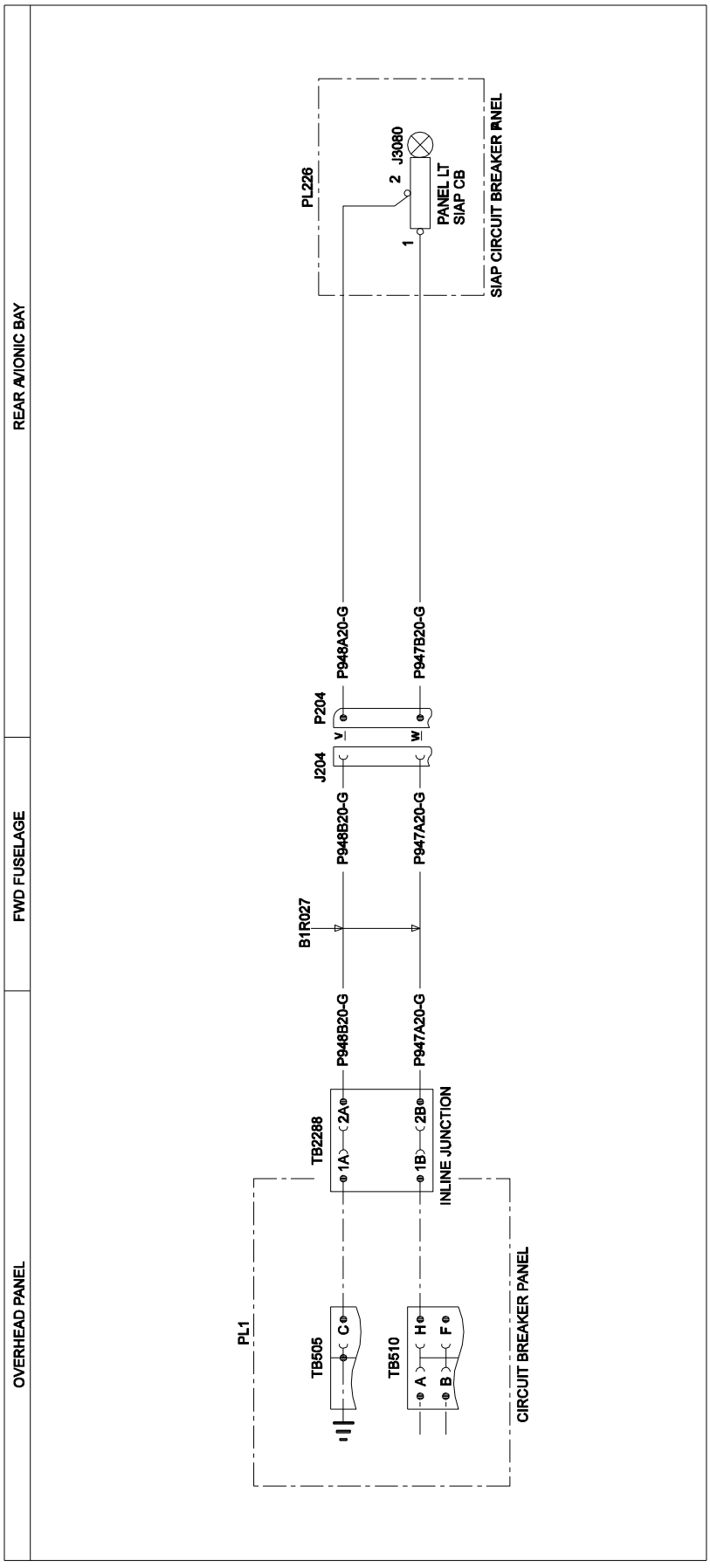
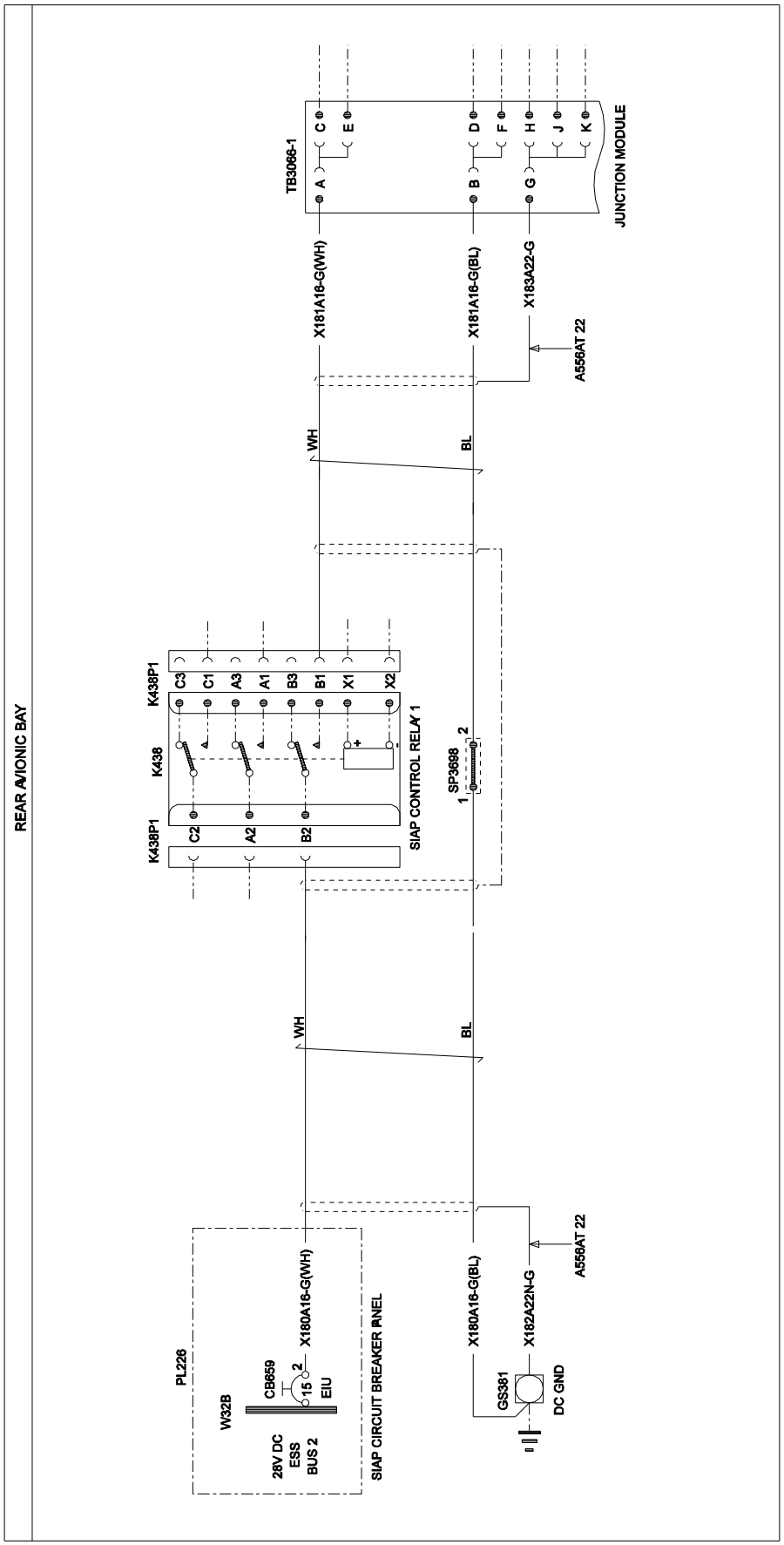

3G2460W09711
WIRING DIAGRAM SIAP POWER
SHEET 2
OVERHEAD PANEL
FWD FUSELAGE
REAR AVIONIC BAY
PL226
J3080
2
1
PANEL LT
SIAP CB
SIAP CIRCUIT BREAKER PANEL
P948A20-G
P947B20-G
P204
V
W
J204
P948B20-G
P947A20-G
B1R027
P948B20-G
P947A20-G
TB2288
1A
2A
1B
2B
INLINE JUNCTION
PL1
TB505
C
TB510
A
H
B
F
CIRCUIT BREAKER PANEL
FUNCTIONAL NOTES
ALL CABLES ARE IN LOOMC1B356 UNLESS SPECIFIED
ALL CABLES ARE OF TYPEA556AT 20 UNLESS SPECIFIED

Figure 98



FUNCTIONAL NOTES
ALL CABLES ARE IN LOOMC1B361 UNLESS SPECIFIED
ALL CABLES ARE OF TYPBA561AT2 16 UNLESS SPECIFIED

Figure 99

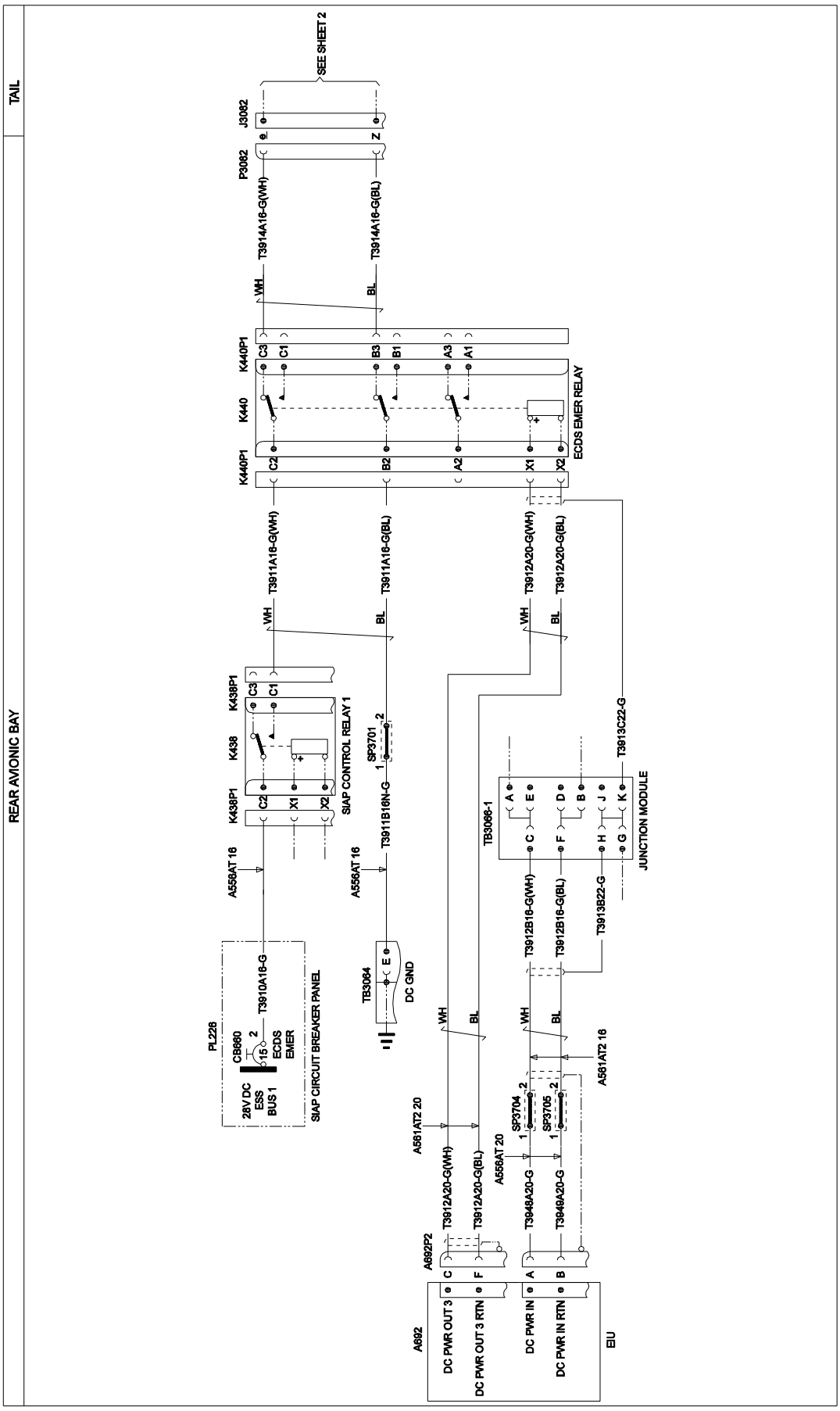

TAIL
REAR AVIONIC BAY
3G9930W00411
WIRING DIAGRAM ECDS (SIAP)
SHEET 1
SEE SHEET 2
J3082
P3082
T3914A18-G(WH)
T3914A18-G(BL)
K440P1
K440
ECDS EMER RELAY
T3911A18-G(WH)
T3911A16-G(BL)
T3912A20-G(WH)
T3912A20-G(BL)
K438P1
K438
SIAP CONTROL RELAY 1
SP3701
T3911B16N-G
A556AT 16
TB3084
DC GND
TB3086-1
JUNCTION MODULE
T3913C22-G
T3912B16-G(WH)
T3912B16-G(BL)
T3913B22-G
PL226
CB660
28V DC ESS BUS 1
ECDS EMER
T3910A18-G
SIAP CIRCUIT BREAKER PANEL
A561AT2 20
A561AT2 18
SP3704
SP3705
T3948A20-G
A692P2
A692
DC PWR OUT 3
DC PWR OUT 3 RTN
DC PWR IN
DC PWR IN RTN
BIU
FUNCTIONAL NOTES
ALL CABLES ARE IN LOOM C1B359 UNLESS SPECIFIED
ALL CABLES ARE OF TYPE A560AT2 16 UNLESS SPECIFIED

Figure 100

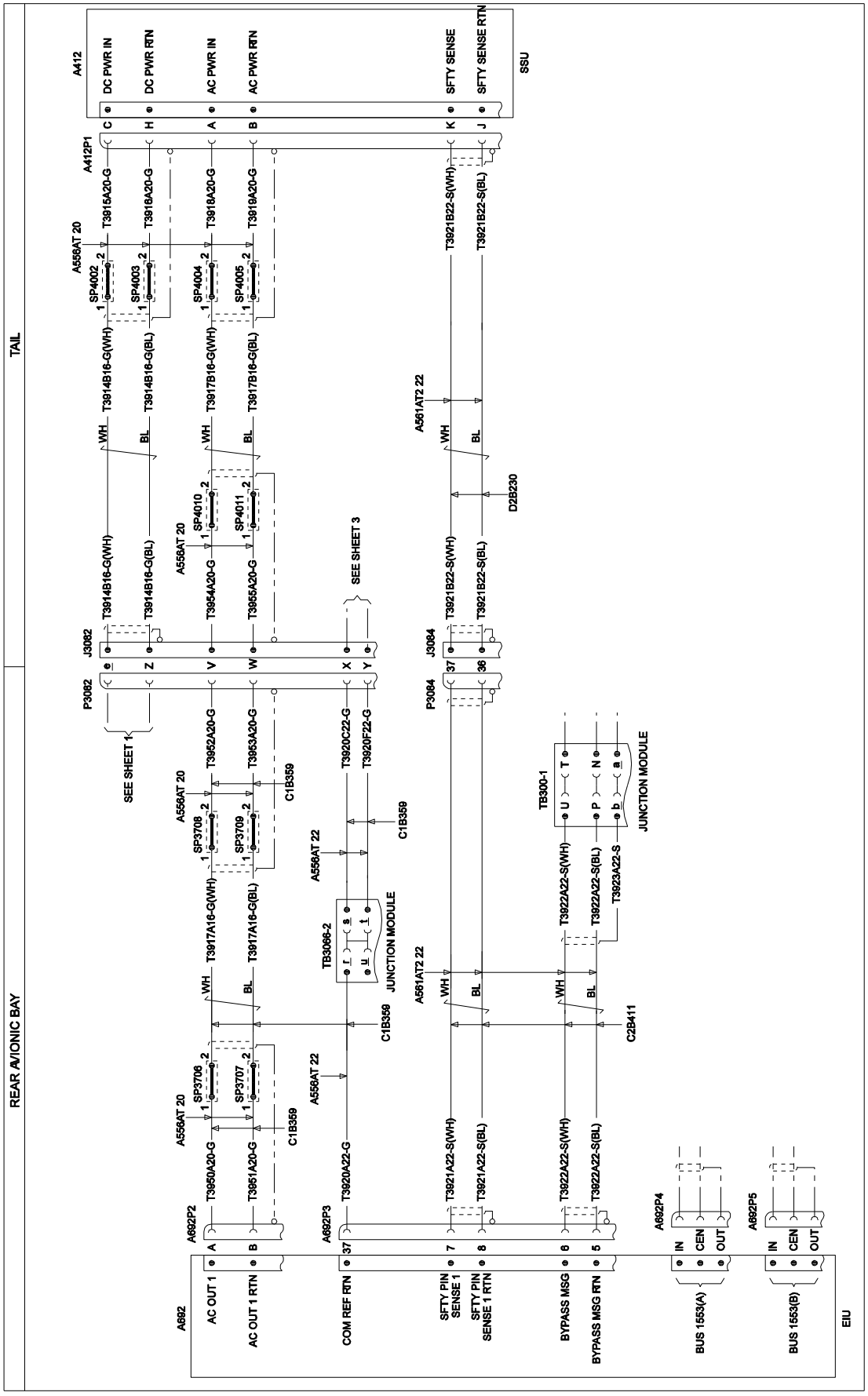

3G9930W00411
WIRING DIAGRAM
ECDS (SIAP)
SHEET 2
TAIL
REAR AVIONIC BAY
SSU
EIU
JUNCTION MODULE
SEE SHEET 1
SEE SHEET 3
FUNCTIONAL NOTES
ALL CABLES ARE IN LOOM D1B228 UNLESS SPECIFIED
ALL CABLES ARE OF TYPE A561AT2 16 UNLESS SPECIFIED

Figure 101

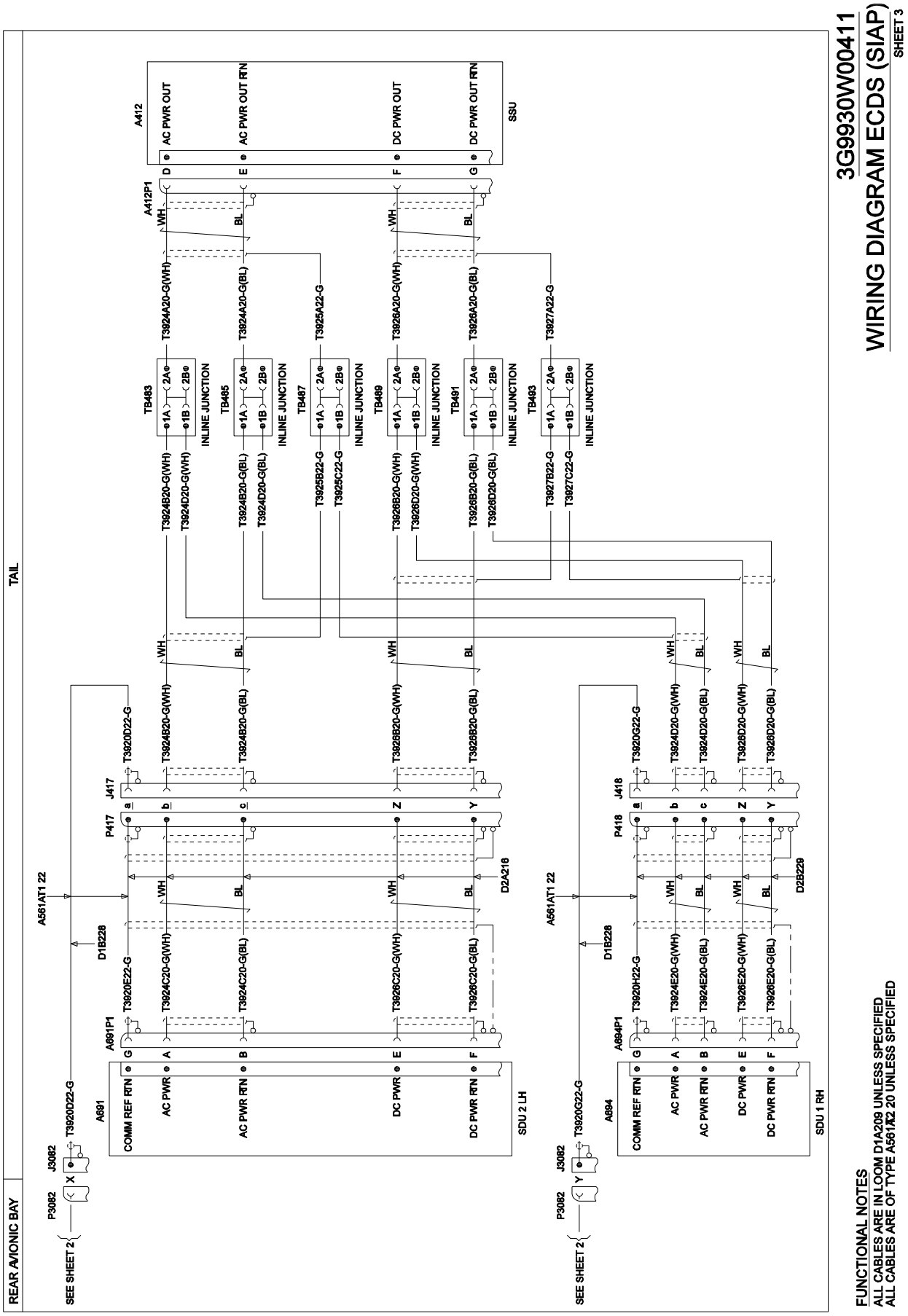

3G9930W00411
WIRING DIAGRAM ECDS (SIAP)
SHEET 3
REAR AVIONIC BAY
TAIL
SSU
A412
AC PWR OUT
AC PWR OUT RTN
DC PWR OUT
DC PWR OUT RTN
A412P1
TB483
TB485
TB487
TB489
TB491
TB493
INLINE JUNCTION
T3924A20-G(WH)
T3924A20-G(BL)
T3925A22-G
T3926A20-G(WH)
T3926A20-G(BL)
T3927A22-G
T3924B20-G(WH)
T3924D20-G(WH)
T3924B20-G(BL)
T3924D20-G(BL)
T3925B22-G
T3925C22-G
T3926B20-G(WH)
T3926D20-G(WH)
T3926B20-G(BL)
T3926D20-G(BL)
T3927B22-G
T3927C22-G
A561AT1 22
D1B228
D2A216
D2B229
P417
J417
P418
J418
A691P1
A694P1
T3920D22-G
T3920E22-G
T3924C20-G(WH)
T3924C20-G(BL)
T3926C20-G(WH)
T3926C20-G(BL)
T3920G22-G
T3920H22-G
T3924E20-G(WH)
T3924E20-G(BL)
T3926E20-G(WH)
T3926E20-G(BL)
A691
A694
COMM REF RTN
AC PWR
AC PWR RTN
DC PWR
DC PWR RTN
SDU 2 LH
SDU 1 RH
J3082
P3082
SEE SHEET 2
FUNCTIONAL NOTES
ALL CABLES ARE IN LOOM D1A209 UNLESS SPECIFIED
ALL CABLES ARE OF TYPE A561AT2 20 UNLESS SPECIFIED

Figure 102

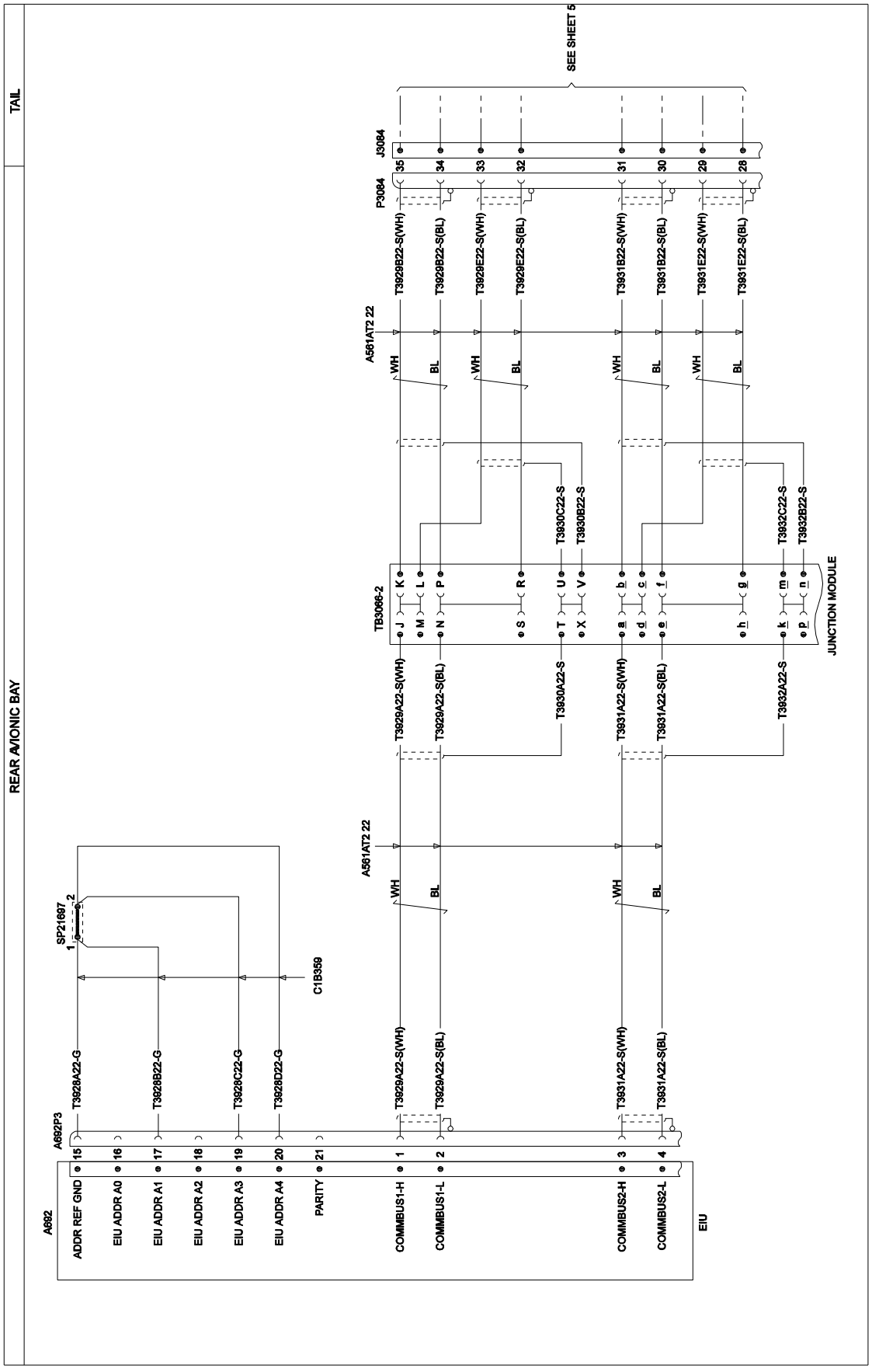

TAIL
REAR AVIONIC BAY
3G9930W00411
WIRING DIAGRAMECDS (SIAP)
SHEET 4
SEE SHEET 5
A692
A692P3
EIU
ADDR REF GND
EIU ADDR A0
EIU ADDR A1
EIU ADDR A2
EIU ADDR A3
EIU ADDR A4
PARITY
COMMBUS1-H
COMMBUS1-L
COMMBUS2-H
COMMBUS2-L
T3928A22-G
T3928B22-G
T3928C22-G
T3928D22-G
SP21697
C1B359
A561AT2 22
T3929A22-S(WH)
T3929A22-S(BL)
T3931A22-S(WH)
T3931A22-S(BL)
TB3066-2
JUNCTION MODULE
T3930A22-S
T3932A22-S
T3930C22-S
T3930B22-S
T3932C22-S
T3932B22-S
P3084
J3084
T3929B22-S(WH)
T3929B22-S(BL)
T3929E22-S(WH)
T3929E22-S(BL)
T3931B22-S(WH)
T3931B22-S(BL)
T3931E22-S(WH)
T3931E22-S(BL)
WH
BL
FUNCTIONAL NOTES
ALL CABLES ARE IN LOOMC2B411 UNLESS SPECIFIED
ALL CABLES ARE OF TYPBA556AT 22 UNLESS SPECIFIED

Figure 103

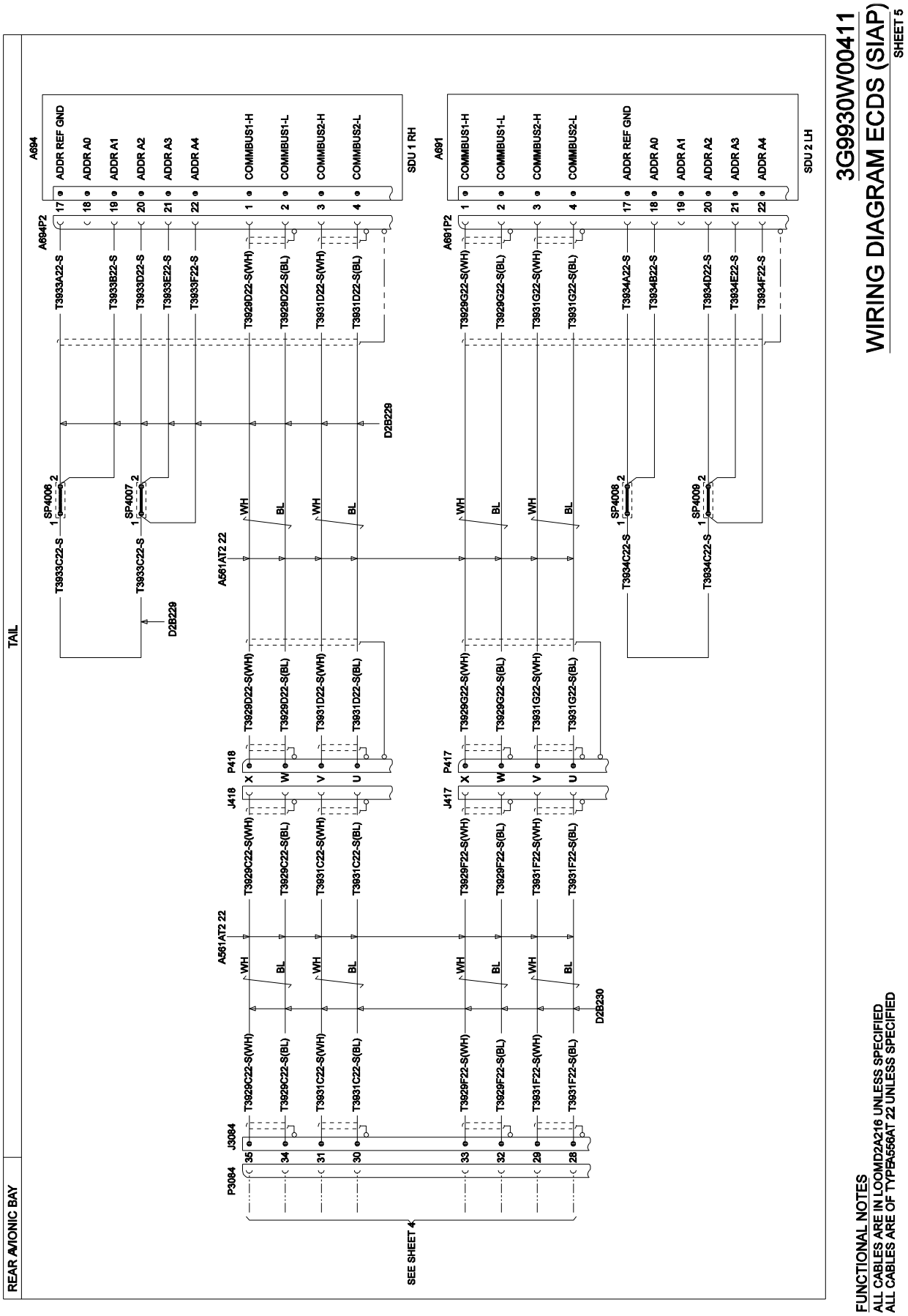
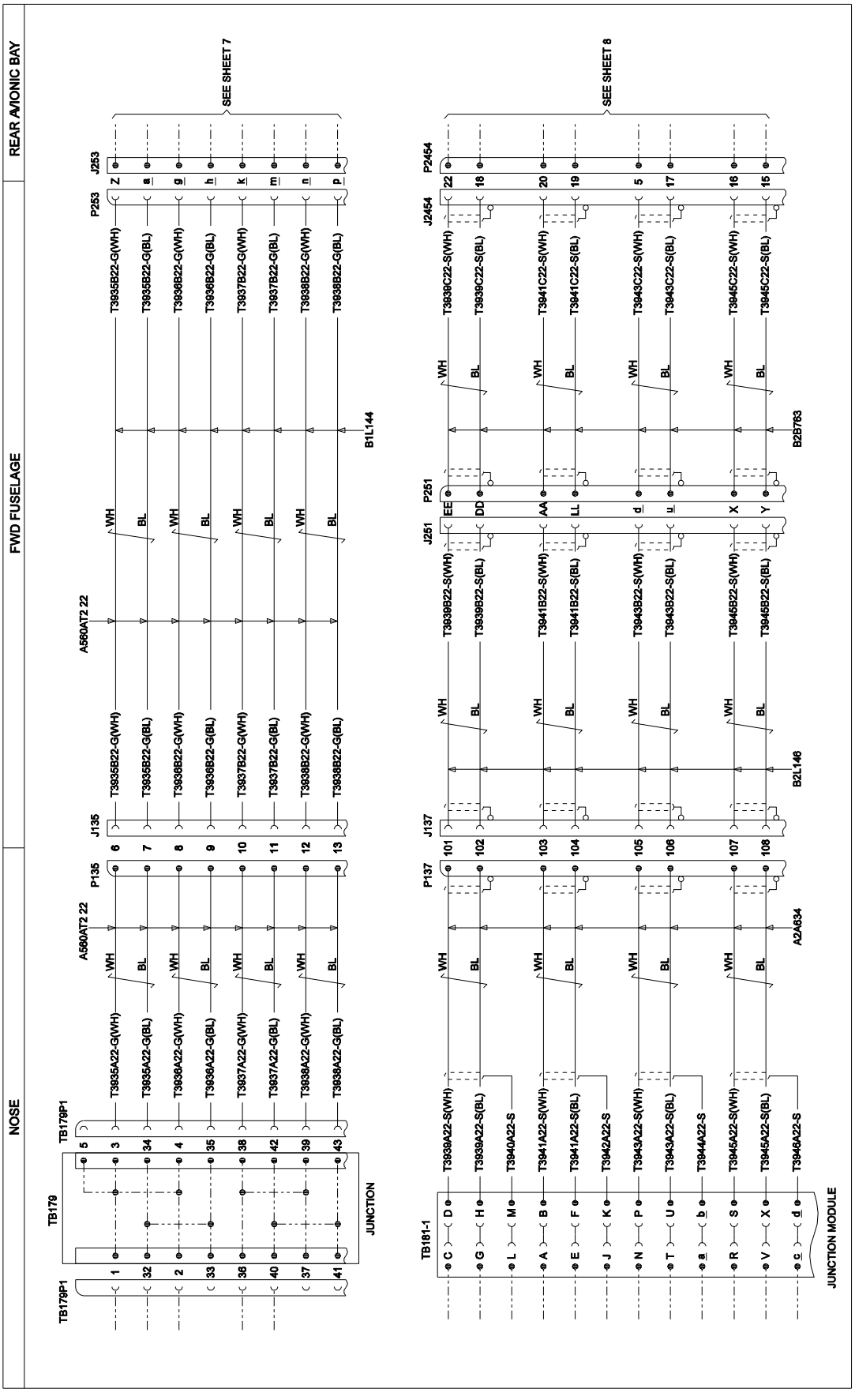

3G9930W00411
WIRING DIAGRAM ECDS (SIAP)
SHEET 5
TAIL
REAR AVIONIC BAY
A694
A694P2
ADDR REF GND
ADDR A0
ADDR A1
ADDR A2
ADDR A3
ADDR A4
COMMBUS1-H
COMMBUS1-L
COMMBUS2-H
COMMBUS2-L
SDU 1 RH
A691
A691P2
SDU 2 LH
SP4006
SP4007
SP4008
SP4009
D2B229
D2B230
A561AT2 22
P418
J418
P417
J417
J3084
P3084
SEE SHEET 4
FUNCTIONAL NOTES
ALL CABLES ARE IN LOOMD2A216 UNLESS SPECIFIED
ALL CABLES ARE OF TYPEA556AT 22 UNLESS SPECIFIED

Figure 104



3G9930W00411
WIRING DIAGRAM ECDS (SIAP)
SHEET 6

Figure 105

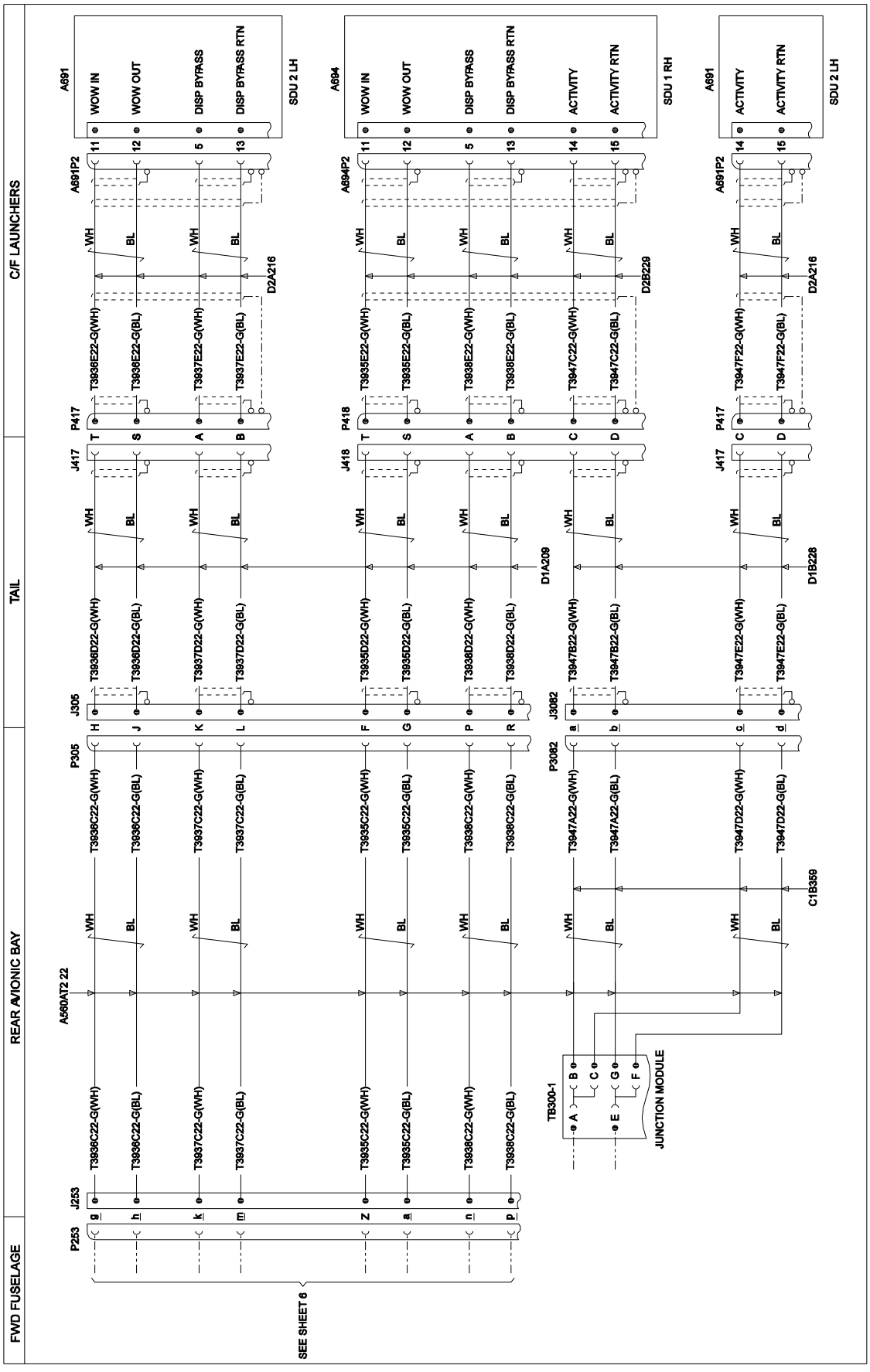
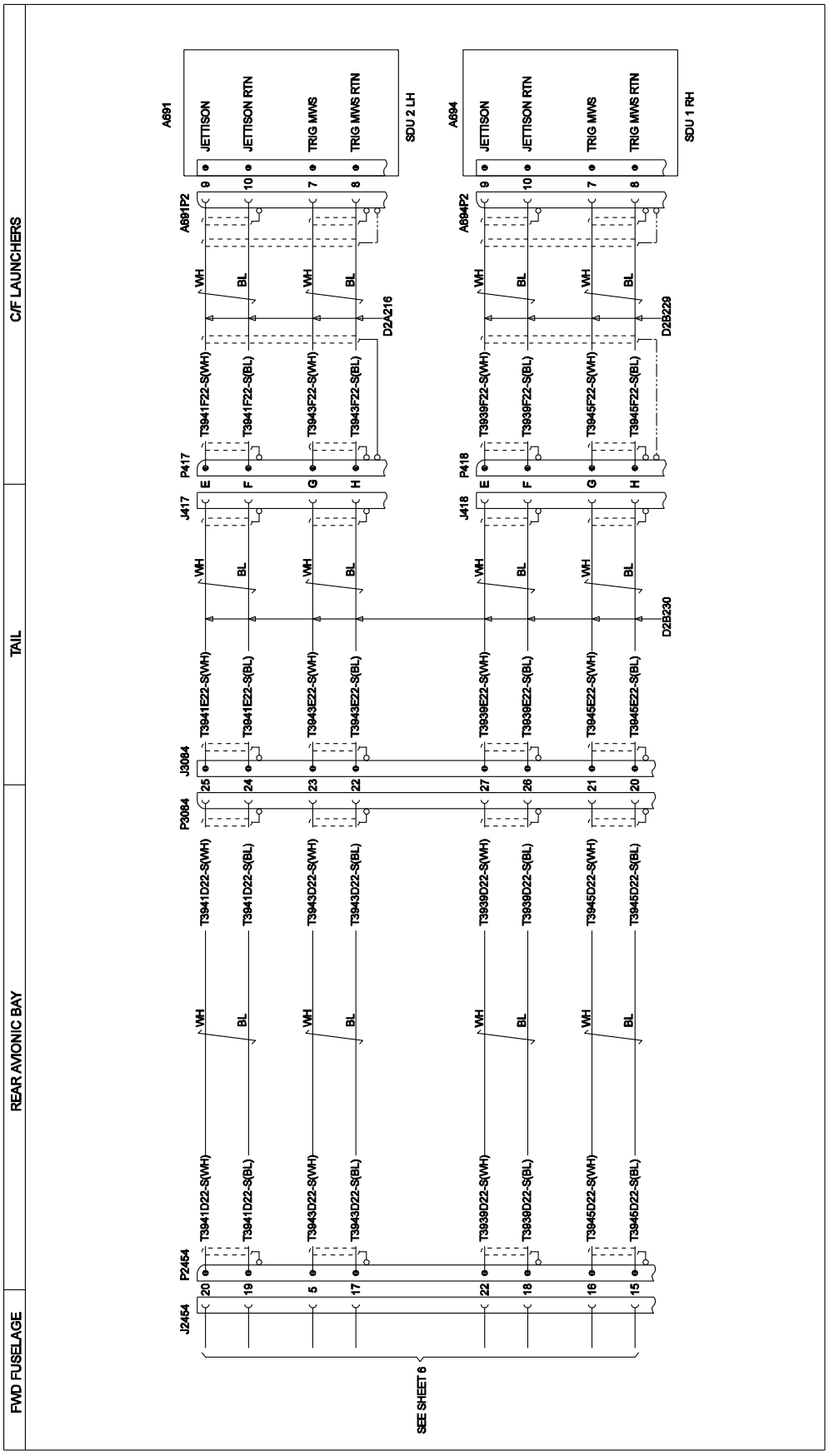
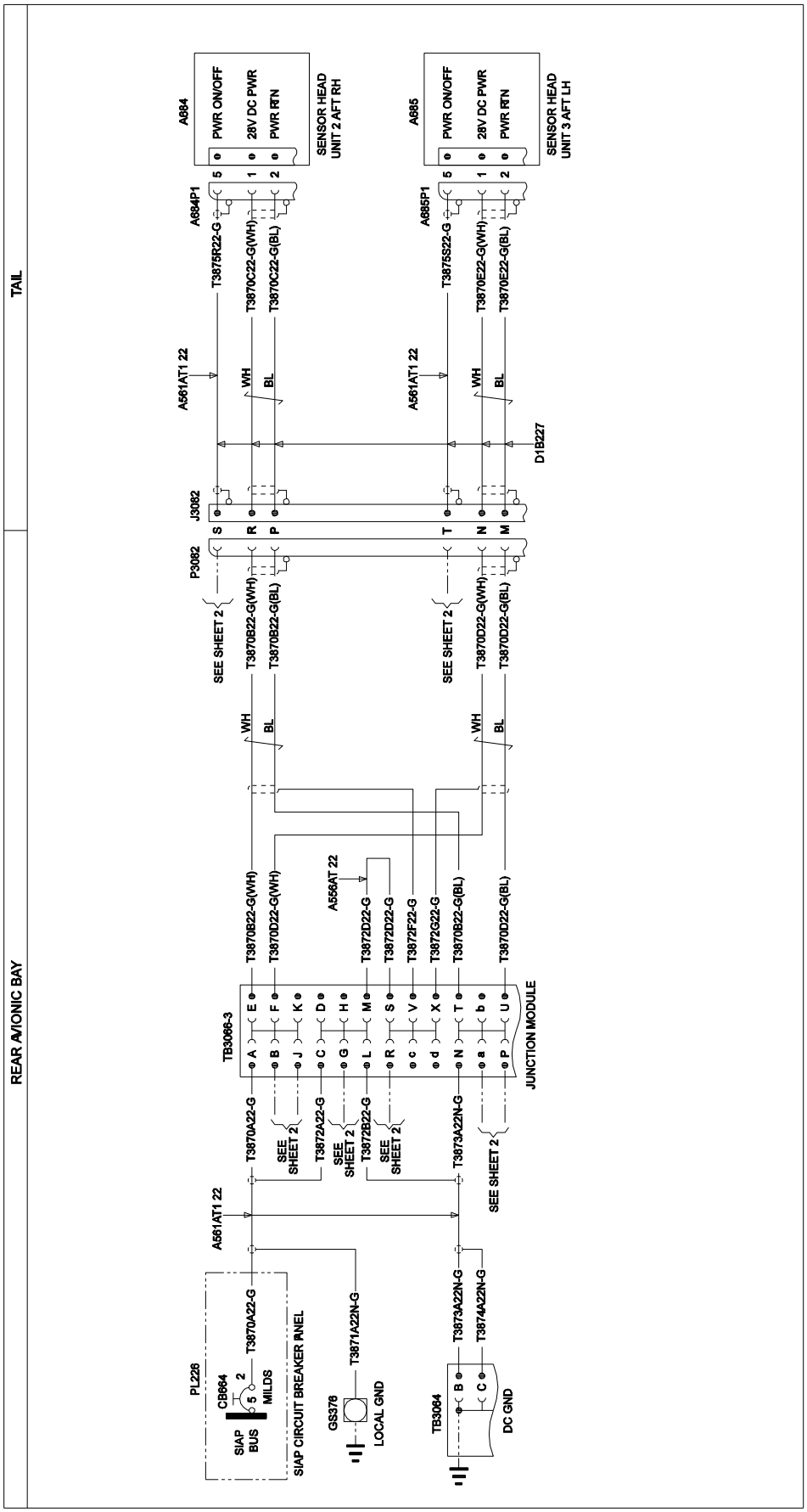

3G9930W00411
WIRING DIAGRAM ECDS (SIAP)
SHEET 7
FWD FUSELAGE
REAR AVIONIC BAY
TAIL
C/F LAUNCHERS
SDU 2 LH
SDU 1 RH
WOW IN
WOW OUT
DISP BYPASS
DISP BYPASS RTN
ACTIVITY
ACTIVITY RTN
JUNCTION MODULE
SEE SHEET 6
FUNCTIONAL NOTES
ALL CABLES ARE IN LOOMC1A382 UNLESS SPECIFIED
ALL CABLES ARE OF TYPEA561AT2 22 UNLESS SPECIFIED

Figure 106



FUNCTIONAL NOTES
ALL CABLES ARE IN LOOM C2B411 UNLESS SPECIFIED
ALL CABLES ARE OF TYPE A561AT2 22 UNLESS SPECIFIED

Figure 107



3G9350W06311
WIRING DIAGRAM MILDS (SIAP)
SHEET 1

FUNCTIONAL NOTES
ALL CABLES ARE IN LOOM C1B358 UNLESS SPECIFIED
ALL CABLES ARE OF TYPE A561AT2 22 UNLESS SPECIFIED

Figure 108

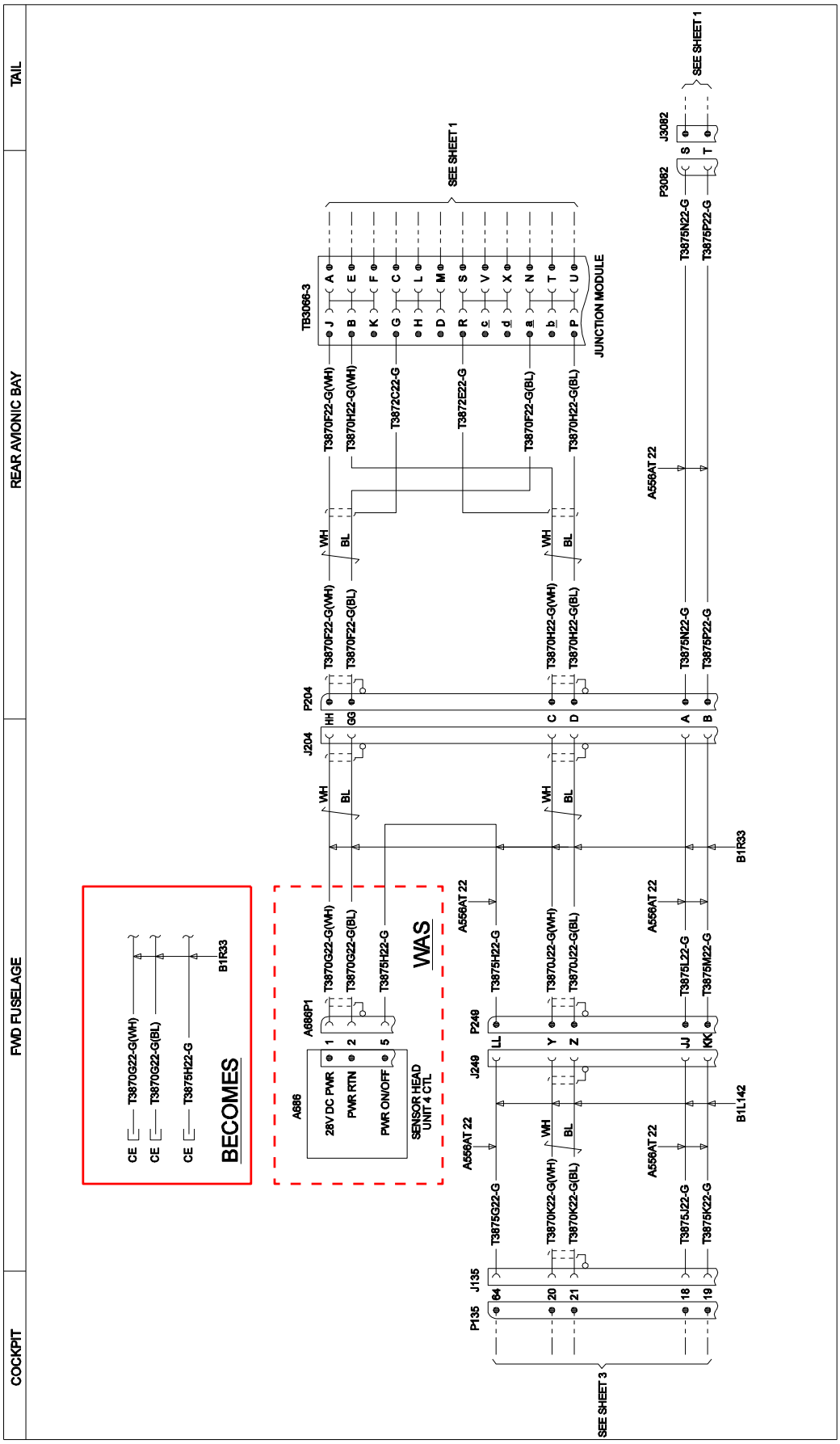

COCKPIT
FWD FUSELAGE
REAR AVIONIC BAY
TAIL
3G9350W06311
WIRING DIAGRAM MILDS (SIAP)
SHEET 2
FUNCTIONAL NOTES
ALL CABLES ARE IN LOOM C1B358 UNLESS SPECIFIED
ALL CABLES ARE OF TYPE A561AT2 22 UNLESS SPECIFIED
BECOMES
WAS
SENSOR HEAD UNIT 4 CTL
28V DC PWR
PWR RTN
PWR ON/OFF
JUNCTION MODULE
SEE SHEET 1
SEE SHEET 3

Figure 109

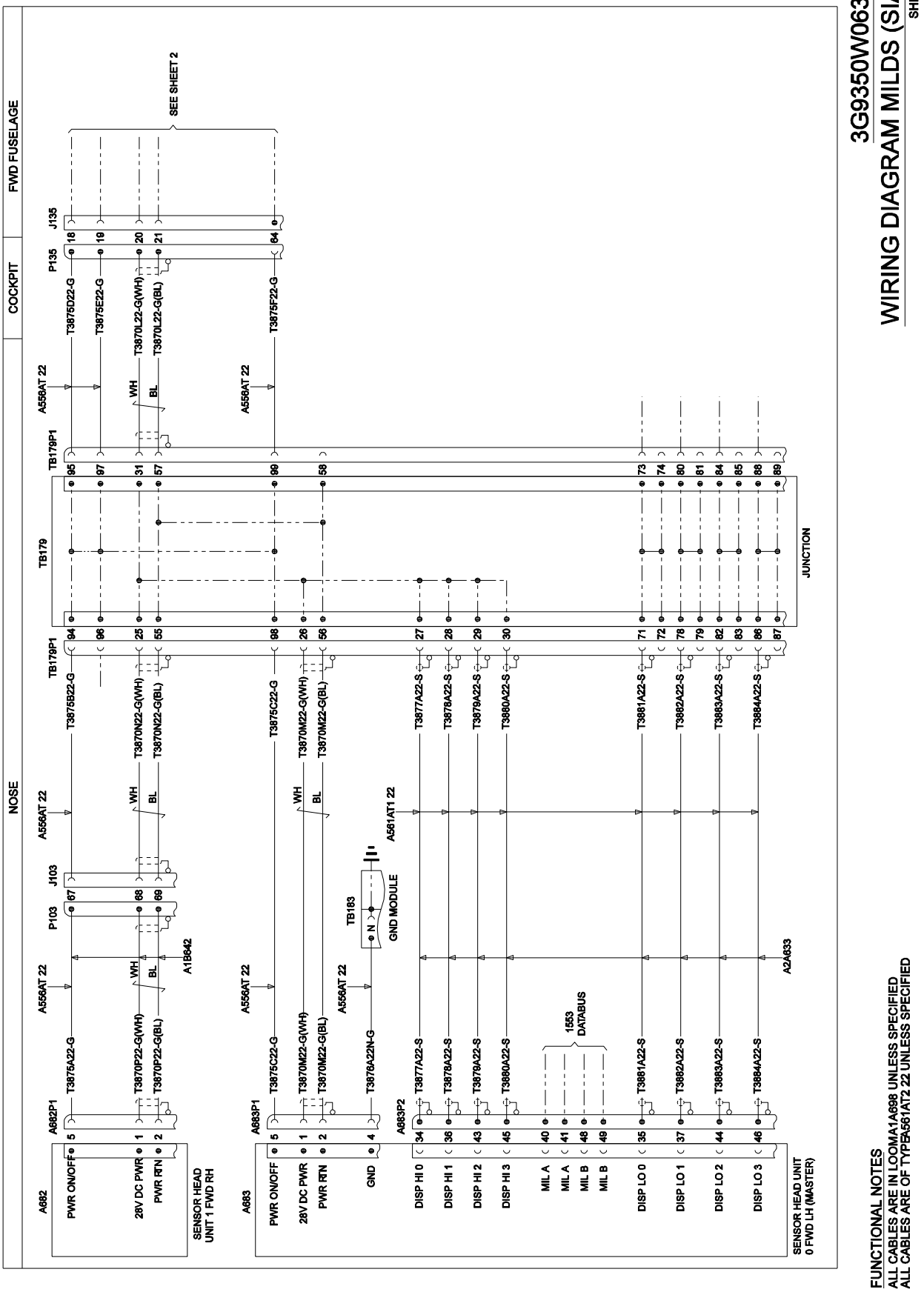

3G9350W06311
WIRING DIAGRAM MILDS (SIAP)
SHEET 3
NOSE
COCKPIT
FWD FUSELAGE
SEE SHEET 2
JUNCTION
GND MODULE
1553 DATABUS
SENSOR HEAD UNIT 1 FWD RH
SENSOR HEAD UNIT 0 FWD LH (MASTER)
FUNCTIONAL NOTES
ALL CABLES ARE IN LOOMA1A698 UNLESS SPECIFIED
ALL CABLES ARE OF TYPEA561AT2 22 UNLESS SPECIFIED

Figure 110

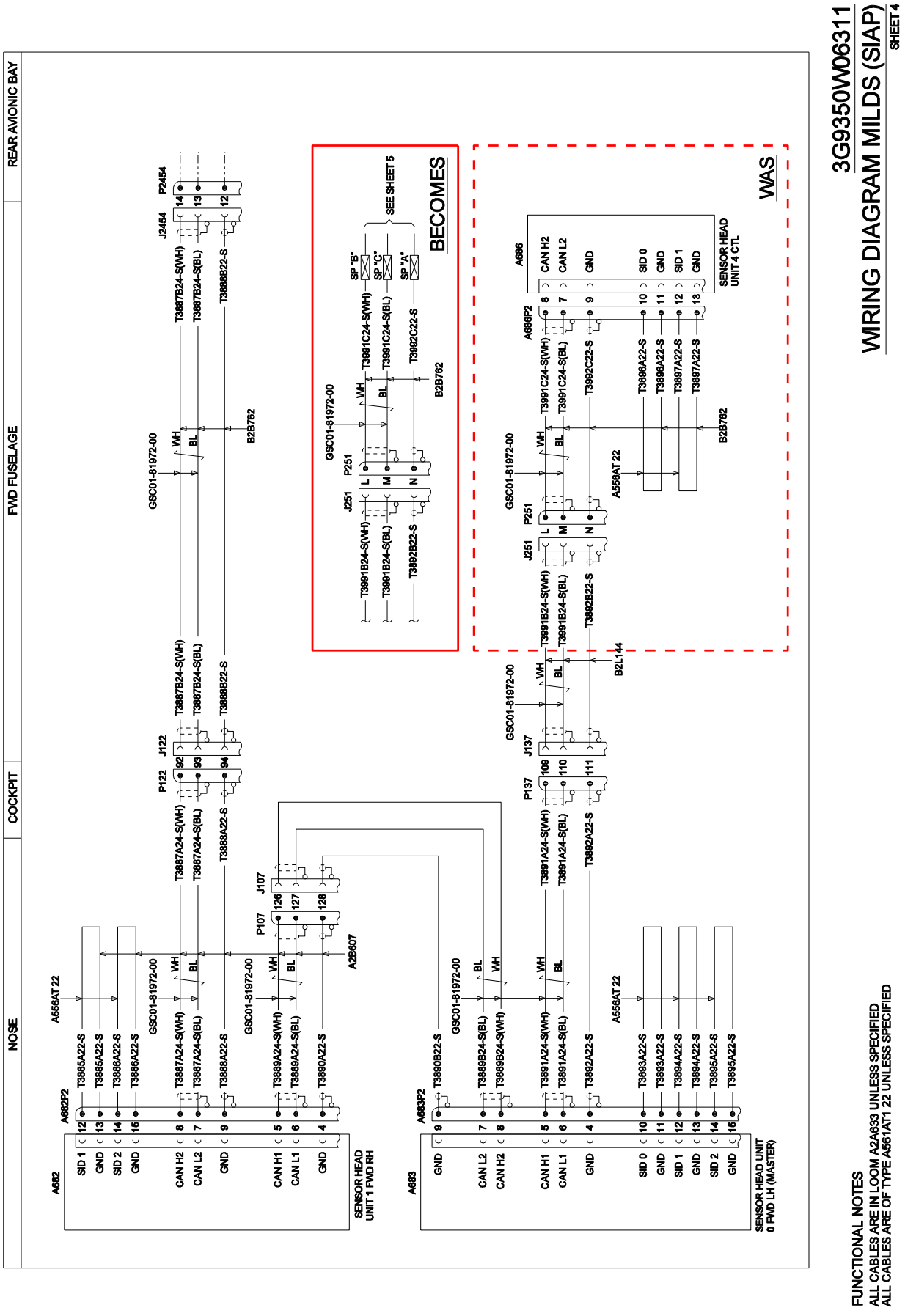

3G9350W06311
WIRING DIAGRAM MILDS (SIAP)
SHEET 4
NOSE
COCKPIT
FWD FUSELAGE
REAR AVIONIC BAY
BECOMES
WAS
SEE SHEET 5
SENSOR HEAD UNIT 1 FWD RH
SENSOR HEAD UNIT 0 FWD LH (MASTER)
SENSOR HEAD UNIT 4 CTL
FUNCTIONAL NOTES
ALL CABLES ARE IN LOOM A2A633 UNLESS SPECIFIED
ALL CABLES ARE OF TYPE A561AT1 22 UNLESS SPECIFIED

Figure 111

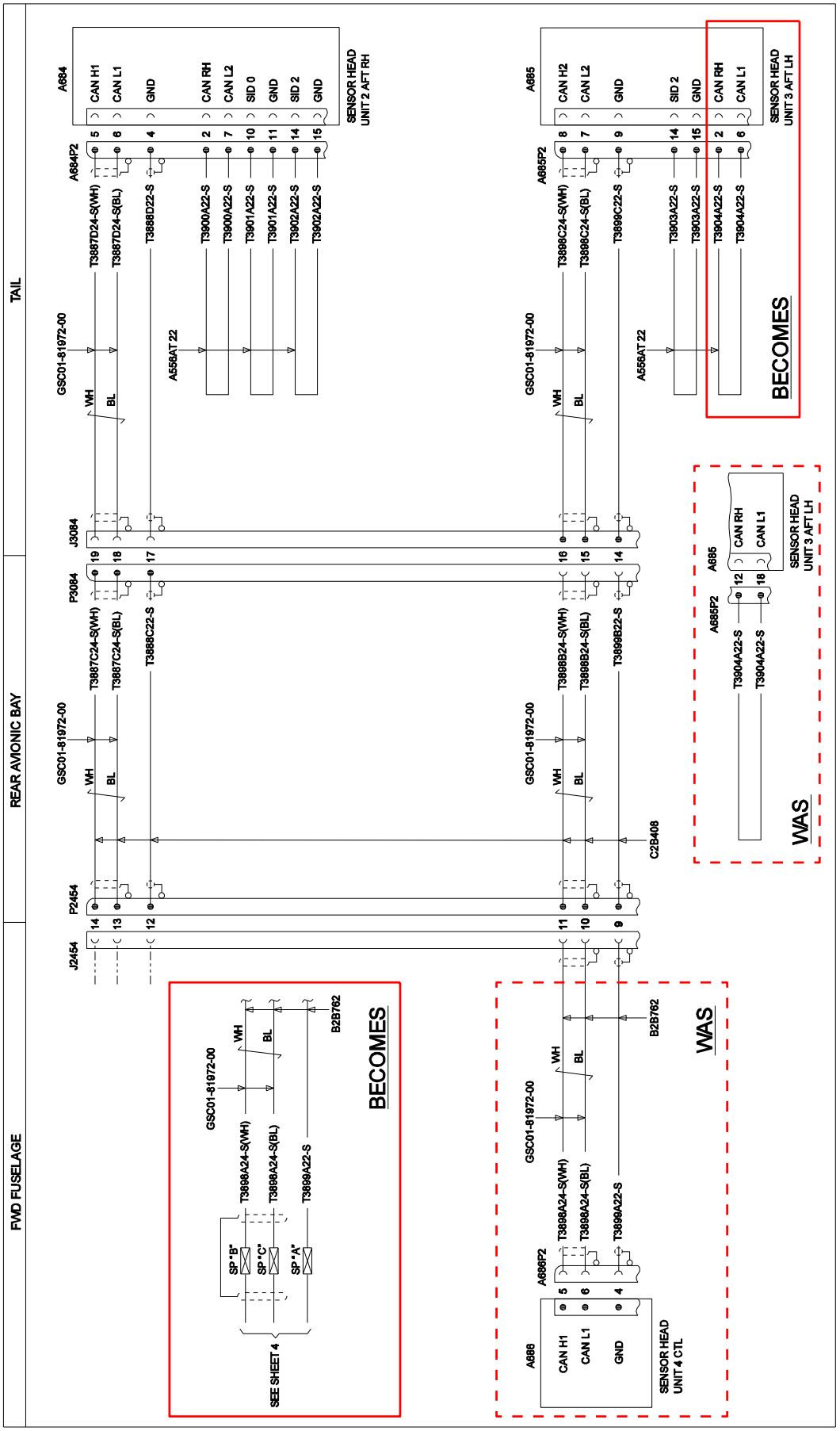

3G9350W06311
WIRING DIAGRAM MILDS (SIAP)
SHEET 5
FWD FUSELAGE
REAR AVIONIC BAY
TAIL
A684
A684P2
A685
A685P2
A686
A686P2
P2454
J2454
P3084
J3084
C2B408
B2B762
GSC01-81972-00
A556AT 22
CAN H1
CAN L1
GND
CAN RH
CAN L2
SID 0
SID 2
SENSOR HEAD UNIT 2 AFT RH
CAN H2
SENSOR HEAD UNIT 3 AFT LH
SENSOR HEAD UNIT 4 CTL
T3887D24-S(WH)
T3887D24-S(BL)
T3888D22-S
T3900A22-S
T3901A22-S
T3902A22-S
T3887C24-S(WH)
T3887C24-S(BL)
T3888C22-S
T3898A24-S(WH)
T3898A24-S(BL)
T3899A22-S
T3896C24-S(WH)
T3896C24-S(BL)
T3899C22-S
T3903A22-S
T3904A22-S
T3898B24-S(WH)
T3898B24-S(BL)
T3899B22-S
WH
BL
BECOMES
WAS
SP "B"
SP "C"
SP "A"
SEE SHEET 4
FUNCTIONAL NOTES
ALL CABLES ARE IN LOOM D2B228 UNLESS SPECIFIED
ALL CABLES ARE OF TYPE A561AT1 22 UNLESS SPECIFIED

Figure 112

PANEL INSTALLATION ON INTERSEAT CONSOLE

BECOMES

WAS

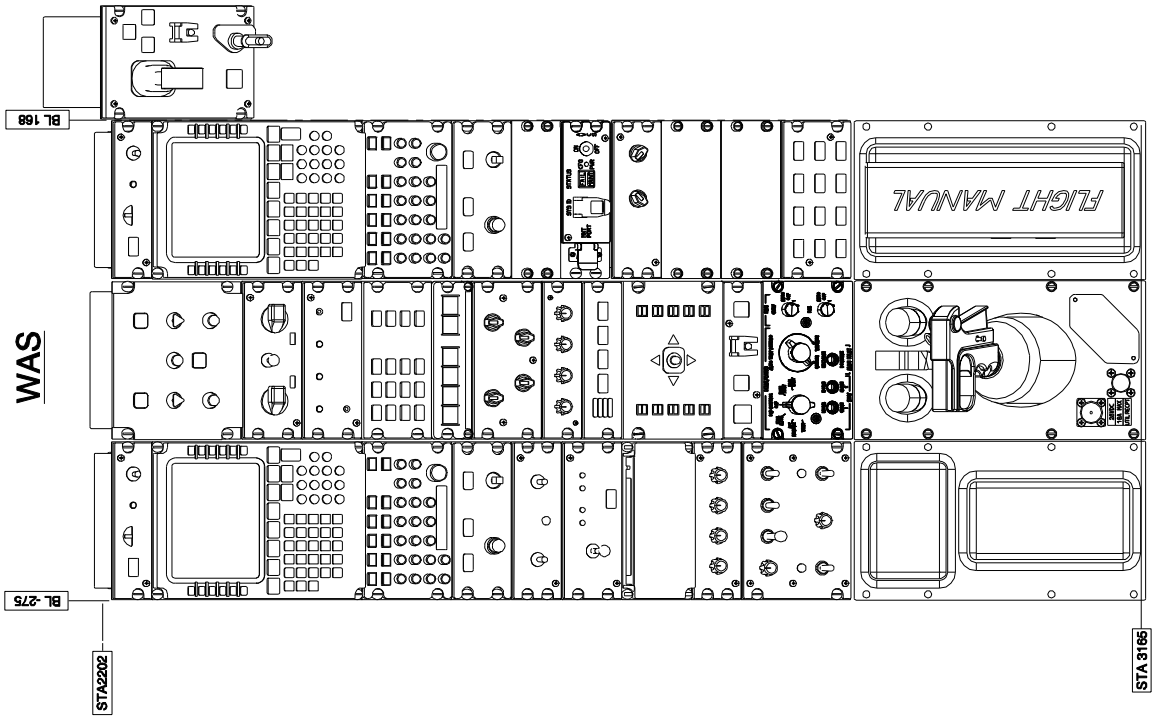


Figure 113

ANNEX A

SIAP FUNCTIONAL TEST

TEST PREREQUISITES

1. Check that all the SIAP basic configuration P/Ns are correct. Fill table on the right.

ITEM	P/N	QTY	CHECK
EWCP	881-0790-03-101	1	❒
EWP	EA9900V511-001	1	❒
TWD	EA9900V513-001	1	❒
MILDS	50.2860.924.00	4	❒
SDU	1160-504-03	2	❒
SSU	MS17986C509 pin NAS1756-24 band	2	❒
EIU	1159-504-03	1	❒
Cyclic Grip	3G6712V00260	2	❒

2. The SIAP basic configuration wiring harnesses pin to pin must have been performed on the helicopter ❒

3. Verify no decoy (chaff and/or flare) is loaded into the SDU. ❒

   Warning*: the procedure shall be executed without decoys in the SDU, because the procedure sets the SDU to fire mode in flight (through the WOW switches).*

TOOLS REQUIRED & TEST SETUP

1.	DC External Power Bench (28VDC).	❒
2.	Tester, conductor pins and wire extensions for troubleshooting operation.	❒
3.	WOW Switches	❒
4.	Jumpers	❒
5.	Headset kit for ICS system	❒
6.	28 VDC generator	❒
7.	USB pen, 64 MB minimum. *Before starting the procedure for the first time, the USB shall be sent to LHD Engineering Department for library load. The following SIAP, TWD and AUDIO libraries for testing shall be loaded into the USB:* ○ *'SA3_TWD.STL'* ○ *'ANNA.SAU'* ○ *'SA3_ATP_LIB_JAC.SLB'* (these libraries were generated by a dedicated SW)	❒
8.	FL-AGE TEST SET M-008/B PN 8009.001-01 *Composed of:* ○ *Control unit Assy P/N 1209.500-02* ○ *Active Interface Adapter Assy P/N 1209.501-02*	❒
9.	EWS Threats simulator mod MISSIM (PN 1012267-101) or BARINGA MWR Simulator (P/N EU00018-01-FG)	

CIRCUIT BREAKERS CONFIGURATION

1. Verify that all the Electrical Distribution System Circuit Breakers are pushed in except IGN #1/2 and START #1/2.	❒
2. Verify that all the avionic Circuit Breakers are pushed in.	❒
3. Verify the following circuit breakers are Pulled out:	

CIRCUIT BREAKER	CHECK
SIAP CNTRL (CB657 1A)	❒
SIAP PWR (CB658 15A)	❒
ECDS EMER (CB660 15A)	❒
ECDS (CB659-15A)	❒
MILDS (CB664 5A)	❒
EWP (CB661 2A)	❒
EWCP (CB662 1A)	❒
TWD (CB663 3A)	❒

4. The helicopter external power port shall be connected to the External Power Bench set to 28V DC	❒

EWP, EWCP, TWD POWER CHECKS

1. With the helicopter power set to OFF, disconnect the following connectors: PL138P1 (EWCP) DS195P1 (TWD) A690P1 and A690P2 (EWP) A683P2 (Sensor Head Unit 0) A691P2 (SDU 2 LH) A694P2 (SDU 1 RH)	❒
2. Verify the diode presence and its correct installation (≥ 0.5VDC reading on the tester display) (multi-meter set for diode measurement) between the following pins: 2.1. A683P2-35 (Pos. Anode) and A690P1A-15 (Neg. Cathode) 2.2. A683P2-35 (Pos. Anode) and PL138P1A-1 (Neg. Cathode)	❒
3. Verify the diode presence and its correct installation (≥ 0.5VDC reading on the tester display) (multi-meter set for diode measurement) between the following pins: 3.1. A683P2-37 (Pos. Anode) and A690P1A-19 (Neg. Cathode) 3.2. A683P2-37 (Pos. Anode) and PL138P1A-2 (Neg. Cathode)	❒
4. Verify the diode presence and its correct installation (≥ 0.5VDC reading on the tester display) (multi-meter set for diode measurement) between the following pins:	❒

4.1. A683P2-44 (Pos. Anode) and A690P1A-5 (Neg. Cathode) 4.2. A683P2-44 (Pos. Anode) and PL138P1A-3 (Neg. Cathode)	
5. Verify the diode presence and its correct installation (≥ 0.5VDC reading on the tester display) (multi-meter set for diode measurement) between the following pins: 5.1. A683P2-46 (Pos. Anode) and A690P1A-7 (Neg. Cathode) 5.2. A683P2-46 (Pos. Anode) and PL138P1A-4 (Neg. Cathode)	❒
6. Verify the continuity between the following pins: 6.1. PL138-66P1 and A691P2-7 6.2. PL138-54P1 and A691P2-8	❒
7. Verify the continuity between the following pins: 7.1. PL138-63P1 and A694P2-7 7.2. PL138-21P1 and A694P2-8	❒
8. Verify the continuity between the following pins: 8.1. PL138P1-65 and A691P2-7 8.2. PL138P1-39 and A691P2-8	❒
9. Verify the continuity between the following pins: 9.1. PL138P1-64 and A694P2-7 9.2. PL138P1-37 and A694P2-8	❒
10. Reconnect connectors A683P2, A691P2, A694P2.	❒
11. Power ON the helicopter.	❒
12. Push in the CB657 (SIAP CNTRL) and the CB658 (SIAP PWR).	❒
13. Verify the voltage across pins 9 and 6 of the connector PL138P1 (EWCP) is 28 V DC. The PIN 9 is the positive pin.	❒
14. Verify the voltage across pins 33 and 5 of the connector PL138P1 (EWCP) is 0 V DC.	❒
15. Verify the voltage across pins 1 and 2 of the connector DS195P1 (TWD) is 0 V DC.	❒
16. Verify the voltage across pins 8 and 9 of the connector A690P2 (EWP) is 0 V DC.	❒
17. Pull out the CB657 (SIAP CNTRL)	❒
18. Put a jumper between the pins 9 and 42 of connector PL138P1 (EWCP).	❒
19. Push in the CB657 (SIAP CNTRL) & CB662 (EWCP)	❒
20. Verify the voltage across pins 33 and 5 of the connector PL138P1 (EWCP) is 28 VDC. The PIN 33 is the positive pin.	❒

21. Push IN CB663 (TWD)	❒
22. Verify the voltage across pins 1 and 6 of the connector DS195P1 (TWD) is 28 VDC. The PIN 1 is the positive pin.	❒
23. Verify the voltage across pins 10 and 6 of the connector DS195P1 (TWD) is 28 VDC. The PIN 10 is the positive pin.	❒
24. Verify the voltage across pins 8 and 9 of the connector A690P2 (EWP) is 28 VDC. The PIN 8 is the positive pin.	❒
25. Push IN CB661 (EWP)	❒
26. Lift up the flip guard of the Late Arm Switch on the PLT Cyclic stick and press the C/F FIRE momentary push-button and verify the 28 V DC is present across the following pins: - 33 and 70 of connector A690P1 - 36 and 71 of connector A690P1 - 14 and 29 of connector PL138P1 (the positive pins are: 33, 36, 14)	❒
27. Lift up the flip guard of the Late Arm Switch on the CPLT Cyclic stick and press the C/F FIRE momentary push-button and verify the 28 V DC is present across the following pins: - 34 and 71 of connector A690P1 - 9 and 71 of connector A690P1 - 15 and 29 of connector PL138P1 (the positive pins are: 34, 9, 15)	❒
28. Set the tester for conductivity test. Connect the black probe to the ground and the red probe to the following pins one at the time: - 3 of the connector DS195P1 (instrument knob) - 23 of the connector PL138P1 (console knob) Enter the Night condition and verify a ground is measured by the tester.	❒
29. Put the tester in diode test. Connect the black probe to the ground and the red probe to the following pins one at the time: - 2 of the connector DS195P1 - 24 of the connector PL138P1 Enter the NVG condition and verify that the voltage measured by the tester drops (about 0.6). **NOTE: Applicable only if the helicopter is NVG compatible**	❒
30. With WOW simulator set to Ground verify the ground in the following pins one at the item: - 10 of the connector PL138P1 - 11 of the connector PL138P1	❒
31. Set the WOW Switches to FLIGHT and verify the change of the status (Open) with respect to the previous test of the following pins:	❒

- 10 of the connector PL138P1 - 11 of the connector PL138P1	
32. Move the instrument dimming control and verify the voltage of the pin 11 of the connector DS195P1 moves from 0 to 5 V.	❒
33. Move the console dimming control and verify the voltage of the pins 18 of connector PL138P1 moves from 0 to 5 V.	❒
34. Pull out the CB657 (SIAP CNTRL), remove the jumper on connector PL138P1 (EWCP)	❒
35. Verify the continuity between the following pins: 35.1. A690P1-73 and PL138P1-59 35.2. A690P1-30 and PL138P1-34 35.3. A690P1-31 and PL138P1-35 35.4. A690P1-32 and PL138P1-36 35.5. A690P1-41 and PL138P1-43 35.6. A690P1-40 and PL138P1-44 35.7. A690P1-26 and PL138P1-57 35.8. A690P1-27 and PL138P1-50 35.9. A690P1-28 and PL138P1-48 35.10. A690P1-29 and PL138P1-40	❒
36. Reconnect all connectors previously disconnected.	❒

ECDS POWER CHECKS

1. Disconnect the mating connector K438P1	❒
2. Push in following circuit breakers: CB657 (SIAP CNTRL) – CB659 (ECDS) and CB660 (ECDS EMER) and verify that the CB658 (SIAP PWR) is pushed in	❒
3. Verify 28 VDC is present on K438P1-A2, K438P1-B2 and K438P1-C2	❒
4. Pull out the following circuit breakers: CB657 – CB658 – CB659 and CB660	❒
5. Verify about 0 VDC is present on K438P1-A2, K438P1-B2 and K438P1-C2	❒
6. Reconnect the mating connector K438P1	❒
7. Disconnect the following connectors: A691P1 (SDU 2 LH) ❒ A694P1 (SDU 1 RH) ❒	
8. Ensure the Safety Pin is inserted in the SSU	❒

9. Push in the following circuit breakers: CB657 – CB658 – CB659 and CB660	❒
10. Verify the voltage across the pins A and B of A691P1 and A694P1 is 0 VDC (the positive pins is: A)	❒
11. Verify the voltage across the pins E and F of A691P1 and A694P1 is 0 VDC (the positive pins is: E)	❒
12. Move the EWCP master selector to STBY position	❒
13. Verify the voltage across the pins A and B of A691P1 and A694P1 is 0 VDC	❒
14. Verify the voltage across the pins E and F of A691P1 and A694P1 is 0 VDC	❒
15. Remove the Safety Pin from the SSU	❒
16. Verify the voltage across the pins A (+) and B(-) of A691P1 and A694P1 is 28 VDC	❒
17. Verify the voltage across the pins E and F of A691P1 and A694P1 is 0 VDC	❒
18. Pull out the circuit breaker ECDS (CB659)	❒
19. Verify the voltage across the pins A and B of A691P1 and A694P1 is 0 VDC	❒
20. Verify the voltage across the pins E (+) and F(-) of A691P1 and A694P1 is 28 VDC	❒
21. Disconnect the connector A692P3 (EIU)	❒
22. Press the ERASE button on the EWCP and contemporaneously verify the diode presence and its correct installation (≥ 0.5VDC reading on the tester display), during the erase activation. For this purpose set the negative probe on pin 13 of A692P3 (Neg. Cathode) and the positive probe on a ground reference point (Pos. Anode)	❒
23. Move the EWCP master selector to OFF	❒
24. Reconnect all the connectors previously disconnect	❒
25. Disconnect the connector P3082	❒
26. Move the EWCP master selector to STBY	❒
27. Verify across the pins e and Z of P3082 is 28 VDC (e is the positive pin)	❒
28. Move the EWCP master selector to OFF	❒
29. Pull out the circuit breaker ECDS EMERG (CB660)	❒
30. Reconnect all the connectors previously disconnected.	❒

MILDS POWER CHECKS

1. Disconnect the following connectors: A682P1 A682P2 (MILDS 1 FWD RH) ❒ A683P1 A683P2 (MILDS 0 FWD LH) ❒ A684P1 A684P2 (MILDS 2 AFT RH) ❒ A685P1 A685P2 (MILDS 3 AFT LH) ❒	
2. Verify the continuity between the following pins (Power check between MILDS): 2.1. A683P1-1 and A682P1-1 2.2. A683P1-2 and A682P1-2 2.3. A682P1-1 and A684P1-1 2.4. A682P1-2 and A684P1-2 2.5. A684P1-1 and A685P1-1 2.6. A684P1-2 and A685P1-2	❒
3. Verify the continuity between the following pins (for MILDS 0): 3.1. A683P2-10 and A683P2-11 3.2. A683P2-12 and A683P2-13 3.3. A683P2-14 and A683P2-15	❒
4. Verify the continuity between the following pins (for MILDS 1): 4.1. A682P2-12 and A682P2-13 4.2. A682P2-14 and A682P2-15	❒
5. Verify the continuity between the following pins (for MILDS 2): 5.1. A684P2-10 and A684P2-11 5.2. A684P2-14 and A684P2-15	❒
6. Verify the continuity between the following pins (for MILDS 3): 6.1. A685P2-14 and A685P2-15	❒
7. Verify the continuity between the following pins *(Can bus continuity check between MILDS):* 7.1. A682P2-5 and A683P2-8 *(between 0-1)* 7.2. A682P2-6 and A683P2-7 7.3. A682P2-7 and A684P2-6 *(between 1-2)* 7.4. A682P2-8 and A684P2-5 7.5. A683P2-5 and A685P2-8 *(between 0-3)* 7.6. A683P2-6 and A685P2-7 7.7. A685P2-2 and A685P2-6	❒

8. Verify the continuity between the following pins *(ground reference points between MILDS).* 8.1. A683P2-9 and A682P2-4 8.2. A682P2-9 and A684P2-4 8.3. A683P2-4 and A685P2-9	❒
9. Reconnect all the connectors previously disconnected	❒

BONDING CHECKS

NOTE: The measure of Bonding shall be performed between the LRU power connector and local structure

1. Measure the bonding of each MILDS sensor head and write the values in the following table: ❒

SENSOR HEAD	EXPECTED VALUE	MEASURED VALUE
UNIT 0 FWD LH	≤ 5 mΩ	
UNIT 1 FWD RH	≤ 5 mΩ	
UNIT 2 AFT H	≤ 5 mΩ	
UNIT 3 AFT LH	≤ 5 mΩ	

2. Measure the bonding of the EIU and write the values in the following table: ❒

	EXPECTED VALUE	MEASURED VALUE
EIU	≤ 10 mΩ	

3. Measure the bonding of the SDU and SSU and write the values in the following table: ❒

LRU	EXPECTED VALUE	MEASURED VALUE
SDU left	≤ 10 mΩ	
SDU right	≤ 10 mΩ	
SSU	≤ 10 mΩ	

4. Measure the bonding of the EWCP in the interseat console and verify it is ≤ 10 mΩ ❒

LRU	EXPECTED VALUE	MEASURED VALUE
EWCP	≤ 10 mΩ	

5. Measure the bonding of the EWP and write the values in the following table: ❒

LRU	EXPECTED VALUE	MEASURED VALUE
EWP	≤ 10 mΩ	

6. Measure the bonding of the TWD in the cockpit and verify it is ≤ 10 mΩ ❒

LRU	EXPECTED VALUE	MEASURED VALUE
TWD	≤ 10 mΩ	

7. Measure the bonding of the BOX COUPLERs and verify that is ≤ 10 mΩ ❒

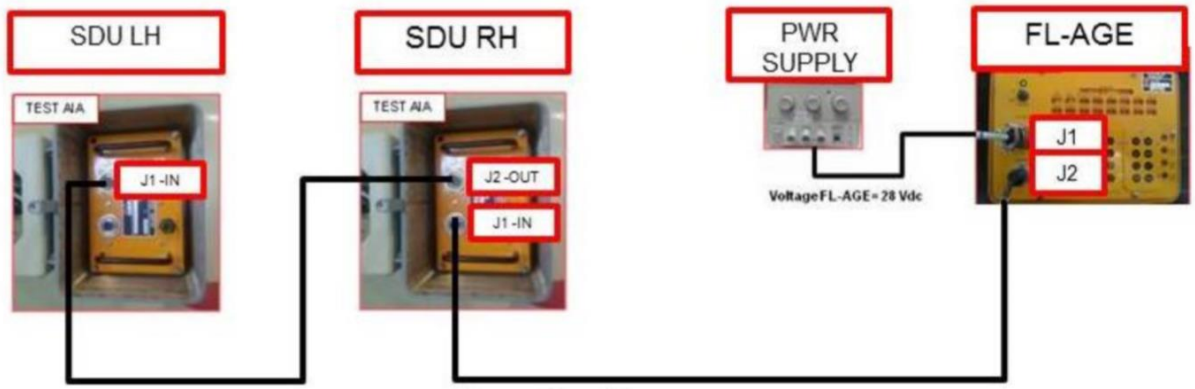
Box Coupler	EXPECTED VALUE	MEASURED VALUE
CP82	≤ 10 mΩ	
CP83	≤ 10 mΩ	
CP84	≤ 10 mΩ	
CP85	≤ 10 mΩ	

8. After completion of the bonding tests, ensure all the SIAP unit connectors are fastened and all the SIAP units are properly installed ❒

FL-AGE PREPARATION

The FL-AGE and the AIA units shall be connected to the SDU units following this procedure:

- Ensure that the Safety Pin is inserted
- If present, remove the Dispenser Unit from SDU LH and RH
- Install the FL-AGE and Test AIA and relevant cables as showed in the following figure
  NOTE: All cables are furnished with FL-AGE kit



The SIAP system uses the following SDU configuration rule:

SDU #	POSITION
SDU1	FWD RH
SDU2	FWD LH

The system libraries are programmed in order to have:

POSITION	MAGAZINE
FWD RH	CHAFF
FWD LH	FLARE

The TEST A.I.A units shall be connected in series to the FL-AGE and the first unit is the DISP1, the second unit is the DISP2. The flare cable shall be installed on the A.I.A. which monitors flare ejection and attached to the SDU flare sensor.
The configuration of the FL-AGE described below represents the following configuration:

Dispenser	Magazine	Location
DISP1	ID 02 = CHAFF	Right
DISP2	ID 05 = FLARE	Left

1. Before starting this section, ensure the EWCP master selector is OFF and all the SIAP breakers are IN.	❒
2. Verify that the Safety PIN is installed.	❒
3. Install the first magazine unit TEST A.I.A. in the SDU1 (Right)	❒
4. Install the second magazine unit TEST A.I.A. in the SDU2 (Left)	❒
5. Ensure the FL-AGE is supplied by 28 VDC	❒
6. Turn ON the power switch and wait until the message “FL-AGE READY” appears	❒
7. Push “SEL “ button and keep pushing it until message “MAGAZINE COMMAND” will appear on the display MESSAGE	❒
8. Pres ENT and execute the following sequence:	❒

Command / Data	Message on FL-AGE display
ENT	DISPENSER : 01
ENT	ID: **
02	ID: 02 (CHAFF 1 X 1)
ENT	PAYLOAD: SINGLE
ENT	MAGAZINE COMMAND
ENT	DISPENSER : 01
02	DISPENSER : 02
ENT	ID: **
05	ID: 5 (FLARE 1 X 1)
ENT	PAYLOAD: SINGLE
RST	The menu is changed

9. Power cycle the FL-AGE	❒
10. After the power up, verify the following configurations of the dispensers appears:	❒

DISP1	DISP2
P01	P02

LIBRARY LOAD AND VERIFICATION

1. Power on the helicopter	❒
2. Set the WOW switches to On Ground	❒
3. Ensure the Safety Pin is properly inserted	❒
4. Insert the USB that contains the libraries	❒
5. Power on the SIAP system by moving the EWCP master selector to STBY and wait until STBY and LIVE lamp on EWCP are blinking	❒
6. If 'NO LIBRARIES FOUND' is displayed in yellow on the TWD  Press simultaneously MFK4 and MFK5 for few seconds to perform a reset	❒
7. When SIAP INITIALIZING page appears on TWD 7.1. Press UPDN (MFK7) to enter in the SIAP UPLOAD/DOWNLOAD page 7.2. Press LOAD (MFK8) 7.3. Find SA3_ATP_LIB_JAC.SLB using up and down arrows located in the MFK5 and MFK6 7.4. Press LOAD and wait up to msg FILE UPLOADED is expired	❒
8. Press RTN (MFK8) to revert on SIAP UPLOAD/DOWNLOAD	❒
9. On SIAP UPLOAD/DOWNLOAD page Press LIB (MFK6)	❒
10. Verify that the SA3_ATP_LIB_JAC.SLB is loaded	❒
11. Press ACT (on MFK located in the relevant left side on TWD	❒
12. Press RTN (MFK8) to revert to the previous page	❒
13. On SIAP UPLOAD/DOWNLOAD page Press MNT (MFK4)	❒
14. Verify that INVALID ICS LIB is displayed	❒
15. Press RTN (MFK8) to exit from MAINTENANCE pages	❒
16. UPDN (MFK7) to enter in the SIAP UPLOAD/DOWNLOAD page	❒
To be performed only for first installation - START	
17. On the Left side on TWD Press MFK AU	❒

18. Select ‘ANNA.SAU’	❒
19. Press LOAD	❒
20. Wait up to msg FILE UPLOADED is expired on the TWD. At load completion, the UP/DOWNLOAD page returns.	❒
21. Verify that INVALID ICS LIB is not displayed	❒
22. Press RTN function key (MFK8) to exit from the MAINTENANCE pages	❒
To be performed only for first installation - END	
23. On SIAP UPLOAD/DOWNLOAD page Press ALRM (MFK1) to enter in OPERATIVE mode	❒
24. On SIAP INITIALIZING page verify that the library is loading with incrementing percentage	❒
25. After the completion of the loading, verify the TWD page is ‘ALARM Page’	❒
26. On this page of TWD, verify: 26.1. The heading rose is depicted in white 26.2. The helicopter heading is displayed in green 26.3. A yellow flag is present due to the Safety Switch inserted 26.4. ‘AIRCRAFT ON GROUND – WOW’ is displayed 26.5. STBY status is displayed on top left 26.6. No red box NAV, CFD or MILDS is displayed 26.7. Red boxes CH and FL are displayed due to the safety pin 26.8. Verify no yellow square is present, which alerts about a maintenance failure.	❒
27. Reset the FL-AGE (keep RST button pressed for 3 seconds) and remove the Safety Pin	❒
28. Verify the yellow flag disappears and two yellow magazine rectangles with a black line inside appear instead	❒
29. Verify CH 30 and FL 30 are displayed in green on the TWD	❒
30. On the TWD move to the DECOY status (Page button) page and verify that the indications displayed are in accordance with following picture: 	❒
31. On SIAP UPLOAD/DOWNLOAD page Press ALRM (MFK1) TWD on ‘ALARM Page’	❒
32. Pull out MILDS circuit breaker and verify the red box MWS appears on the TWD	❒

33. Push in MILDS circuit breaker and wait until the red box MWS disappears from the TWD	❒
34. Press MNT →SNSR on the TWD and turn Off the MILDS: pushing PWR ON (MFK5)	❒
35. Verify the red box MWS appears on the TWD	❒
36. Press PWR ON (MFK5) on the TWD and turn the MILDS ON	❒
37. Verify the red box MWS disappears on the TWD (wait about 20-30 sec)	❒
38. Pull out the ECDS circuit breaker	❒
39. Press RTN soft key (MFK8) and Return on the Main Menu page	❒
40. Press ALRM soft key (MFK1)	❒
41. Verify the red box CFD appears on the TWD	❒
42. On the TWD, verify the SDU rectangles are red with xcross black	❒
43. On the EWCP, move the master selector to EMER	❒
44. Verify on the TWD the SDU rectangles become green	❒
45. Push in the ECDS circuit breaker	❒
46. On the EWCP, move the master selector to STBY	❒
47. On the TWD press UPDN → ALRM → SIAP INITIALIZING page appears	❒
48. On the TWD verify that the CFD warning message disappear	❒
49. On the TWD verify that the SDU rectangles are red with xcross black disappear	❒
50. Pull out the MAU 1 circuit breakers and verify the red box NAV and HFI appears on the TWD	❒
51. Push in the MAU 1 circuit breakers and verify that the previous warning messages disappear on the TWD	❒
52. Insert the Safety Pin and verify that FLAG YELLOW appears	❒

AUDIO LEVEL

1. Ensure the EWCP master selector is set to STBY	❒
2. Connect the PLT and CPLT headphones to the ICS	❒
3. On the TWD press SET (CMFK1) and adjust the audio level through AUDIO LEVEL 	❒
4. Listen to the audio in the PLT headphone and tune the level by using the arrow keys of the TWD	❒
5. Listen to the audio in the CPLT headphone and tune the level by using the arrow keys of the TWD	❒
6. Press ENT to confirm	❒

MILDS FUNCTIONAL TEST PROCEDURE

1. Set the WOW switches to ‘In Air’ and reset the FL-AGE (keep RST button pressed for 3 seconds)	❒
2. Remove the Safety Pin (Note: if CFD in red appears on the TWD for few seconds, do not care because it is correct)	❒
3. Move the EWCP master selector to LIVE	❒
4. Verify the MAN status is shown on the TWD top left	❒
5. Verify the magazine rectangles are displayed in full green on the TWD	❒
6. Verify MP01 is displayed on the TWD (Manual Program 1 is the default program)	❒
7. Lift up the flip guard of the Late Arm Switch on the PLT Cyclic stick and press the C/F FIRE momentary push-button	❒
8. On the TWD verify ‘CFD MANUAL PROG’ displayed	❒
9. Verify the FL counter has decremented of 2 on the TWD	❒
10. Verify the CH counter is unchanged on the TWD	❒
11. Verify on the FL-AGE that 2 flare and 0 chaff have been fired	❒
12. Lift up the flip guard of the Late Arm Switch on the CPLT Cyclic stick and press the C/F FIRE momentary push-button	❒
13. On the TWD verify ‘CFD MANUAL PROG’ is displayed	❒

14. Verify the FL counter has decremented of 2 on the TWD	❒
15. Verify the CH counter is unchanged on the TWD	❒
16. Verify on the FL-AGE that 2 flare and 0 chaff have been fired	❒
17. Lift up the flip guard of the SURVIVE function on the EWCP and press the button	❒
18. Verify 'CFD DISPENCE SURVIVE' appears on the TWD	❒
19. Verify that the FL counter decrements of 2 flares on the TWD and the CH counter decrements of 2 chaffs	❒
20. Verify on the FL-AGE that the DISP2 counter increments of 2 units and the DISP1 counter increments of 2 units	❒
21. Verify that the EWCP master selector is set to LIVE	❒
22. On the TWD press SET → SET →FAST TR and set "FT ON"	❒
23. Verify 'FT ON' on the TWD	❒
24. Press ENT	❒
25. Power on the MISSIM simulator and load the proper configuration file	❒
26. Point the simulator at the MILDS sensor head number 1 (FWD RH) and fire	❒
27. Verify the trace on the TWD (DOA + deg) + listen to the warning 'Missile' using the PLT/CPLT headphone + verify decoy launch (Flares) on the TWD and on the FL-AGE.	❒
28. On the TWD press SET → SET →FAST TR and set "FT OFF"	❒
29. Verify 'FT OFF' on the TWD	❒
30. Press ENT	
31. On the TWD enter MODE (2 items) and select AUTO MODE	❒
32. Verify AUTO is displayed on the TWD (top left)	❒
33. For each MILDS sensor head (0 FWD LH, 1 AFT LH, 2 AFT RH, 3 FWD RH), fire at the MILDS sensor head with the MISSIM and verify: 33.1. the trace on the TWD (DOA + deg) is correct 33.2. the aural warning 'Missile' is loud and clear on the PLT/CPLT headphone 33.3. the decoy launch (Flares) is properly recorded and displayed by the TWD and the FL-AGE	❒

34. Move the EWCP master selector to EMER	❒
35. Verify EMER is displayed on the TWD top left	❒
36. Lift up the flip guard of the Late Arm Switch on the PLT Cyclic stick and press the C/F FIRE momentary push-button	❒
37. Verify the decoy has been fired on both the TWD and FL-AGE (1 CH & 2FL)	❒
38. Lift up the flip guard of the DISCH function on the EWCP and press the button	❒
39. Verify 'DISCH DISCHARGING' appears on the TWD	❒
40. Verify both CH and FL counters decrements to 0	❒
41. Verify 'DECOYS DISCHARGED' appears on the TWD when all the decoys have been discharged and that all the decoys have been fired on the FL-AGE	❒
42. Move the EWCP master selector to STBY	❒
43. Insert the safety pin	❒
44. Reset the FL_AGE by pressing RST (keep RST pressed for 3 seconds)	❒
45. Remove the safety pin	❒
46. Move the EWCP master selector to LIVE and verify on the TWD that the system is operative with 30 CH and 30 FL	❒
47. Pull out the ECDS CB	❒
48. Verify on the TWD that: 48.1. the red box CFD appears 48.2. CH and FL counters are 00 and red coloured 48.3. the dispenser rectangles are red and double crossed	❒
49. Move the EWCP master selector to EMER	❒
50. Verify the dispenser rectangles turn green and are not crossed	❒
51. On the EWCP, lift up the flip guard of the DISCH function and press the button	❒
52. Very 'CFD DISCHARGING' is displayed on the bottom of the TWD	❒
53. After the 'CFD DISCHARGING' has disappeared, check on the FL-AGE that all the decoys have been fired (30 + 30)	❒

54. Move the EWCP master selector to OFF, set the WOW switches to ground and push in the ECDS CB	❒
55. Insert the safety pin	❒
56. Reset the FL_AGE by pressing RST (keep RST pressed for 3 seconds)	❒
57. Remove the safety pin	❒

LIBRARY ERASE

1. Move the EWCP master selector to STBY	❒
2. On SIAP INITIALIZING page verify that the library is loading with incrementing percentage	❒
3. After the completion of the loading, verify the TWD page is ‘ALARM Page’	❒
4. Move the EWCP master selector to LIVE	❒
5. Lift up the flip guard of the ERASE function on the EWCP and press the button	❒
6. Verify the red box CFD appears on the TWD	❒
7. Verify ‘STBY’ appears on the TWD	❒
8. Verify the STBY light blinks on the EWCP	❒
9. Move the EWCP master selector to STBY	❒
10. Press UP/DOWNLOAD on the TWD and verify on the TWD the following: Active Lib = None	❒
11. On the TWD, Press LIB soft key (MFK6) and verify that the SIAP EWP LIBRARIES is empty	❒

INITIAL CONDITIONS RESTORING

1. Move the EWCP master selector to OFF	❒
2. Remove the WOW switches	❒
3. Insert the Safety Pin	❒
4. Uninstall the A.I.A and FL-AGE	❒
5. Leave all the circuit breakers pushed in	❒

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