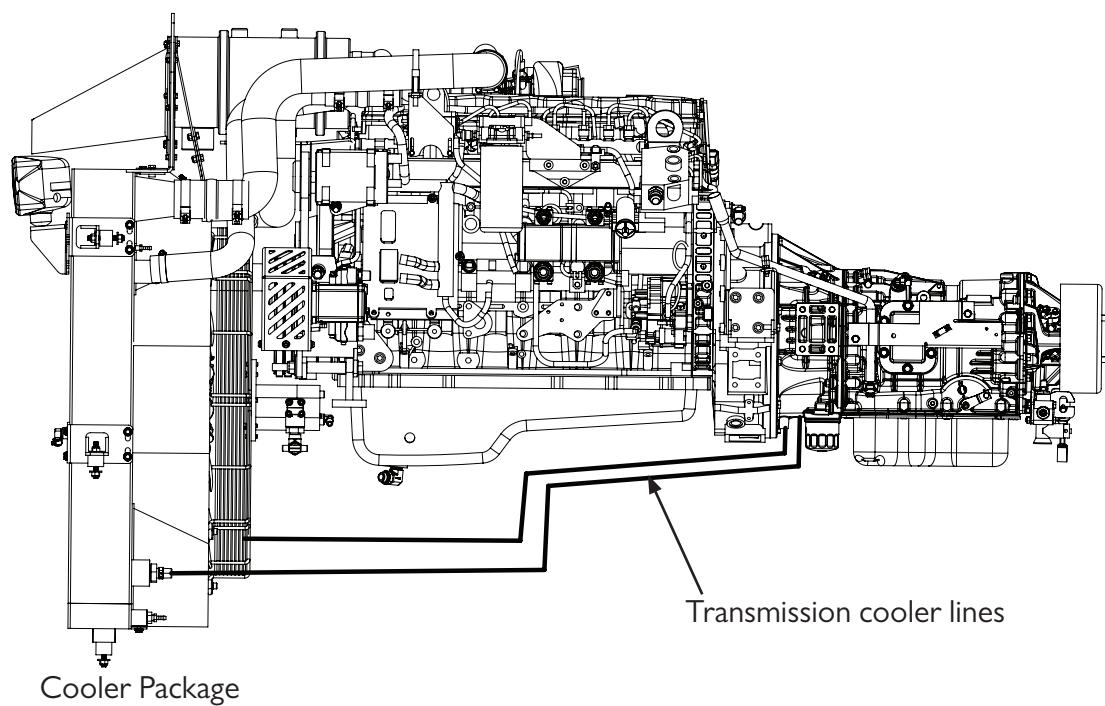


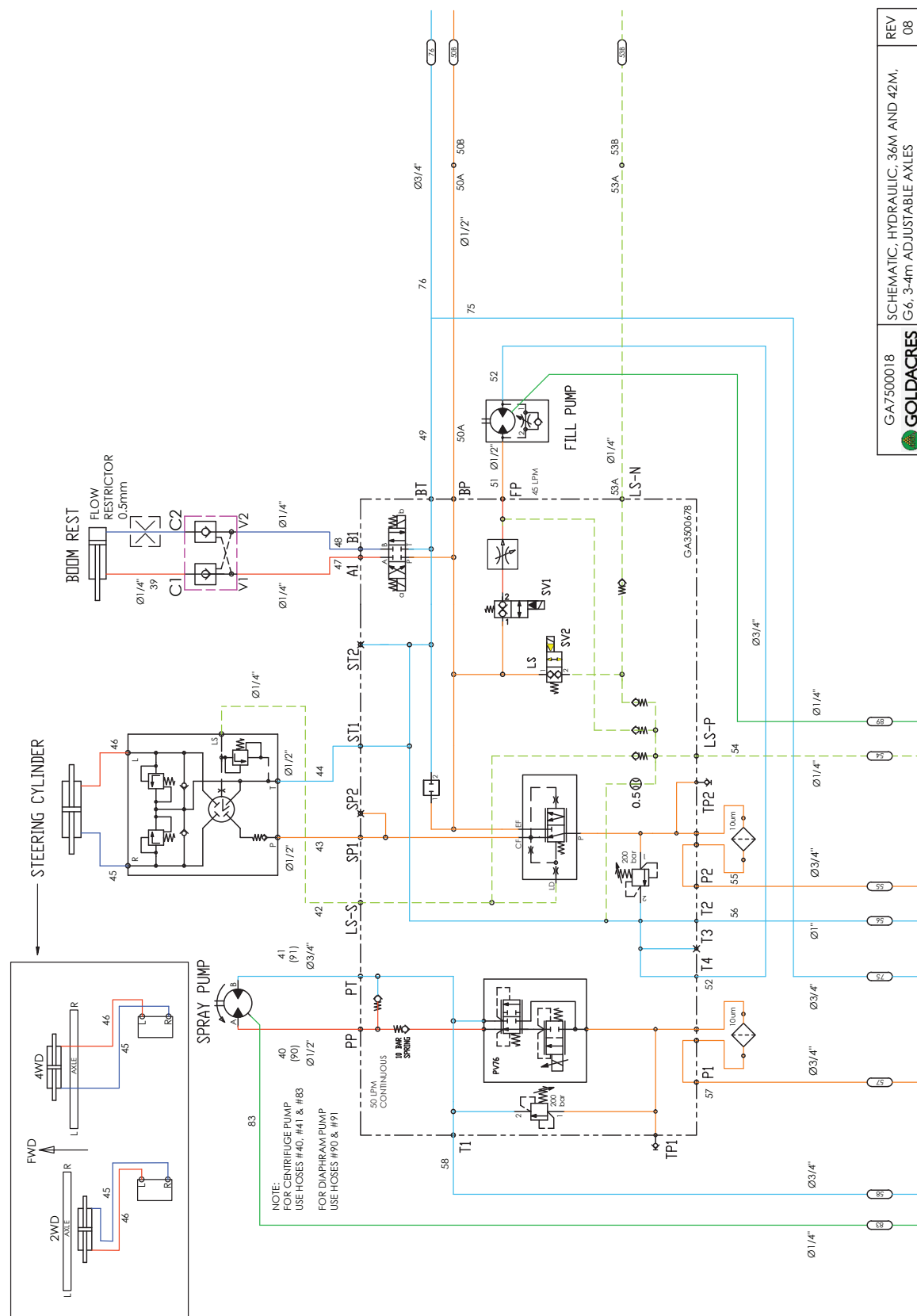
Chapter 16

SCHEMATICS

Hydraulic Schematic - Transmission

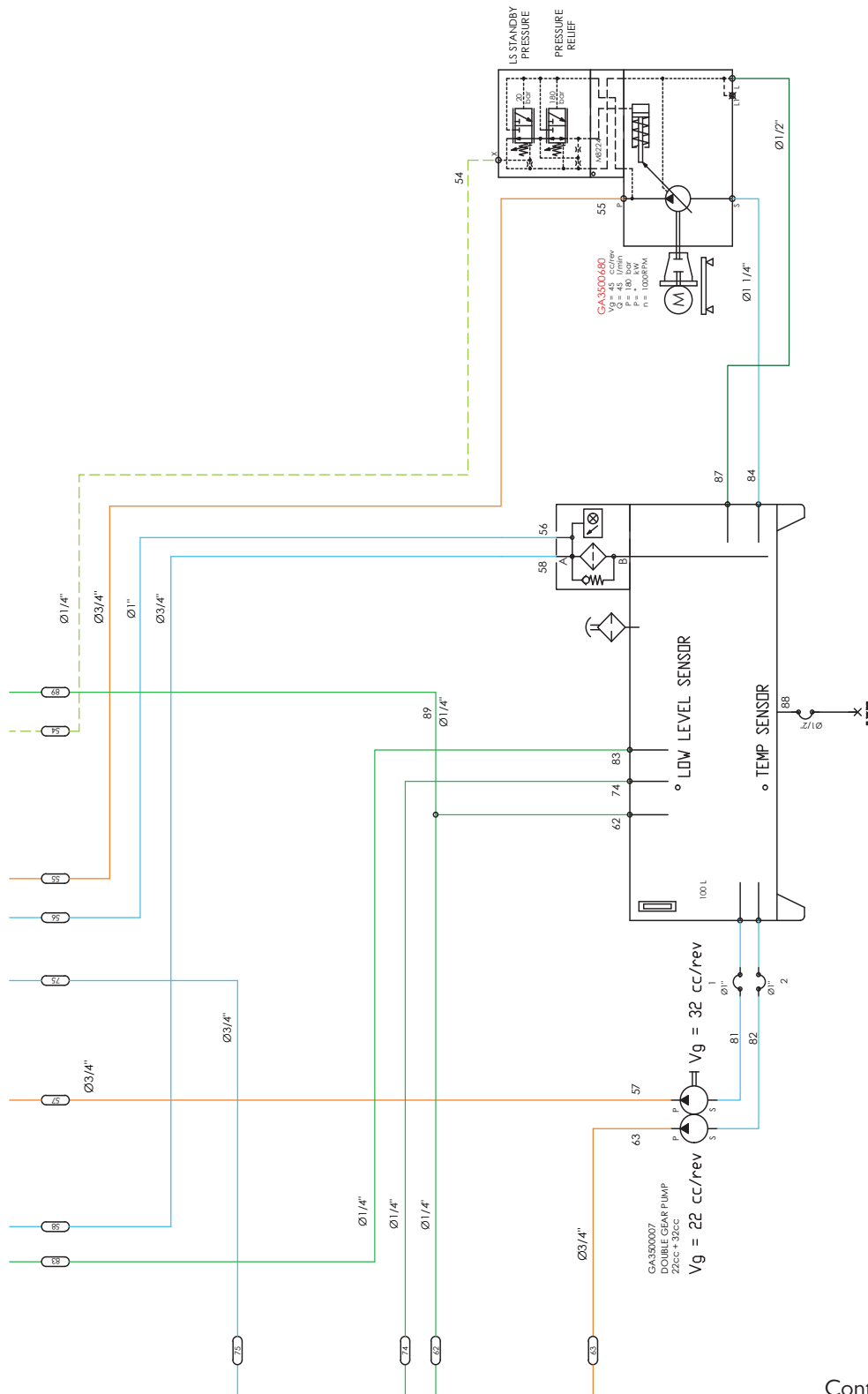


Hydraulic Schematic - 36-42m Booms



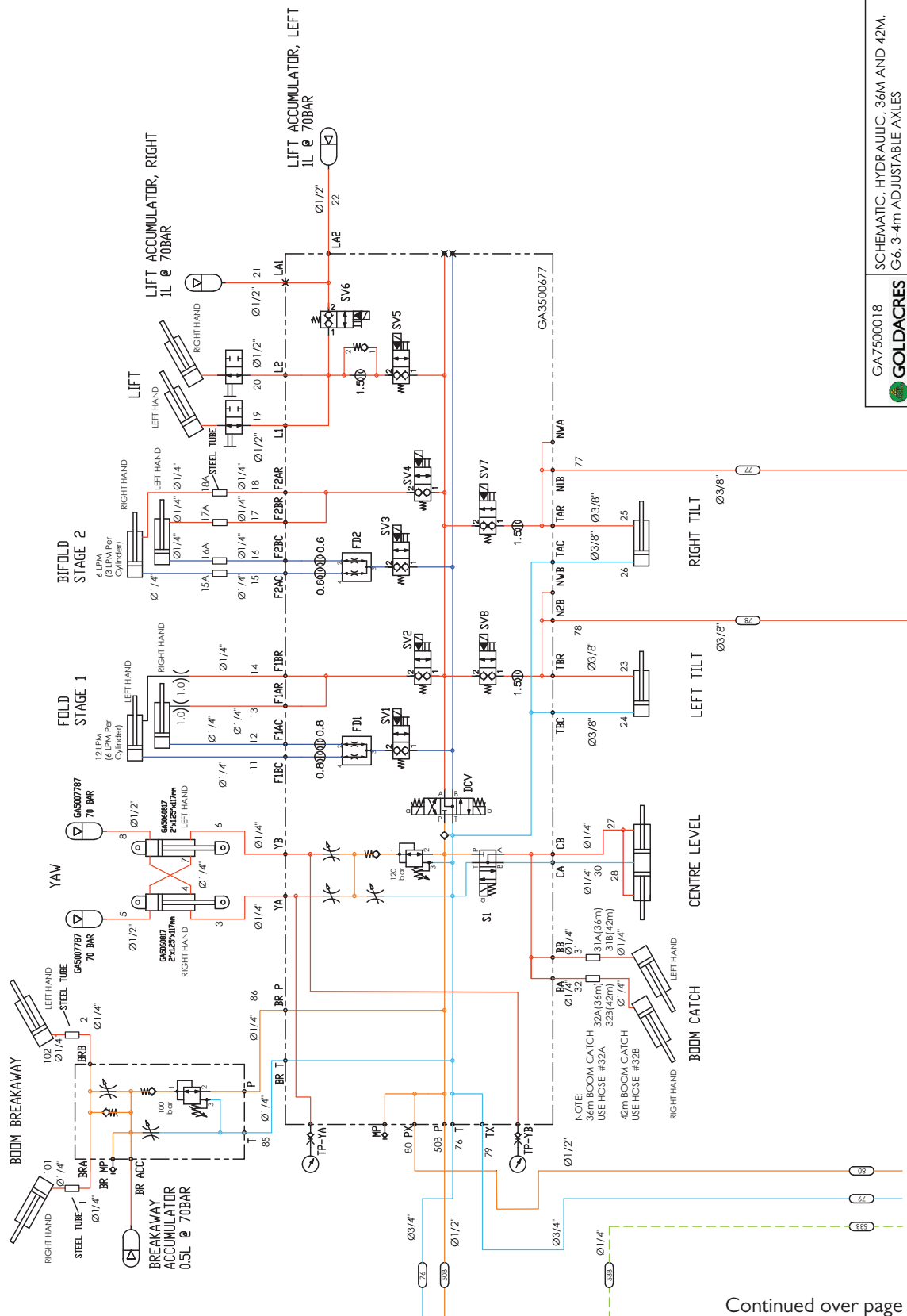
Continued over page

Hydraulic Schematic - 36-42m Booms



Continued over page

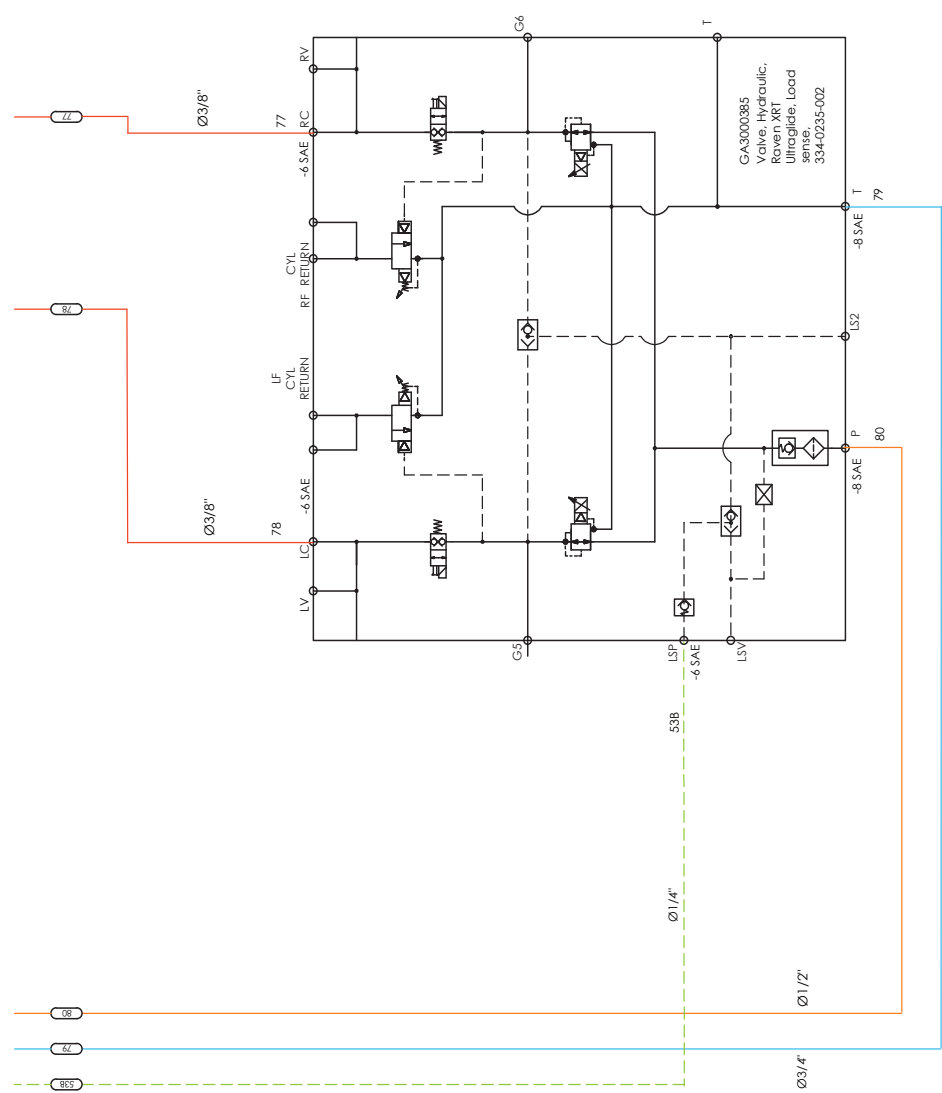
Hydraulic Schematic - 36-42m Booms



Continued over page

GA7500018	SCHEMATIC, HYDRAULIC, 36M AND 42M, G6, 3-4m ADJUSTABLE AXLES	REV 08
-----------	---	-----------

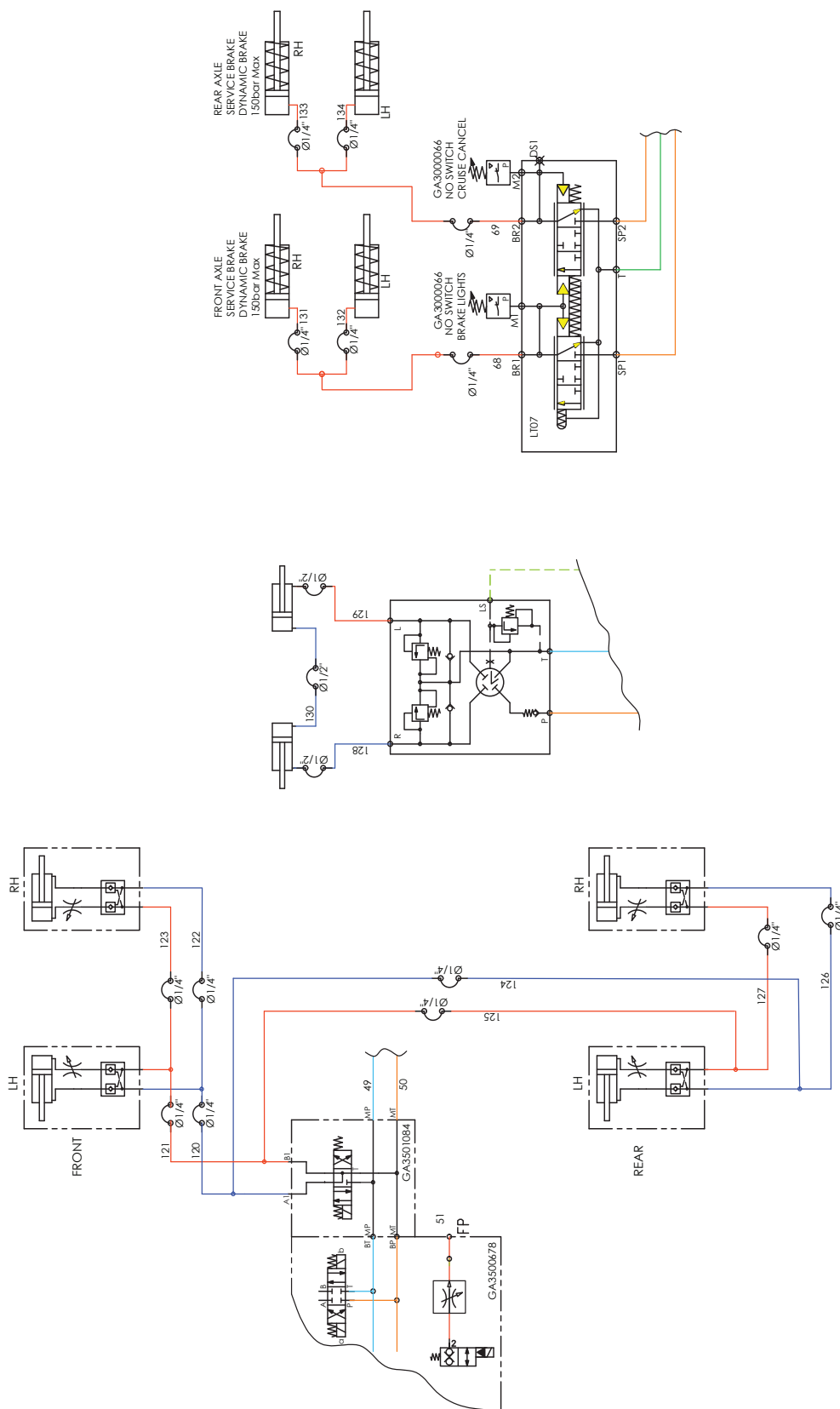
Hydraulic Schematic - 36-42m Booms



Continued over page

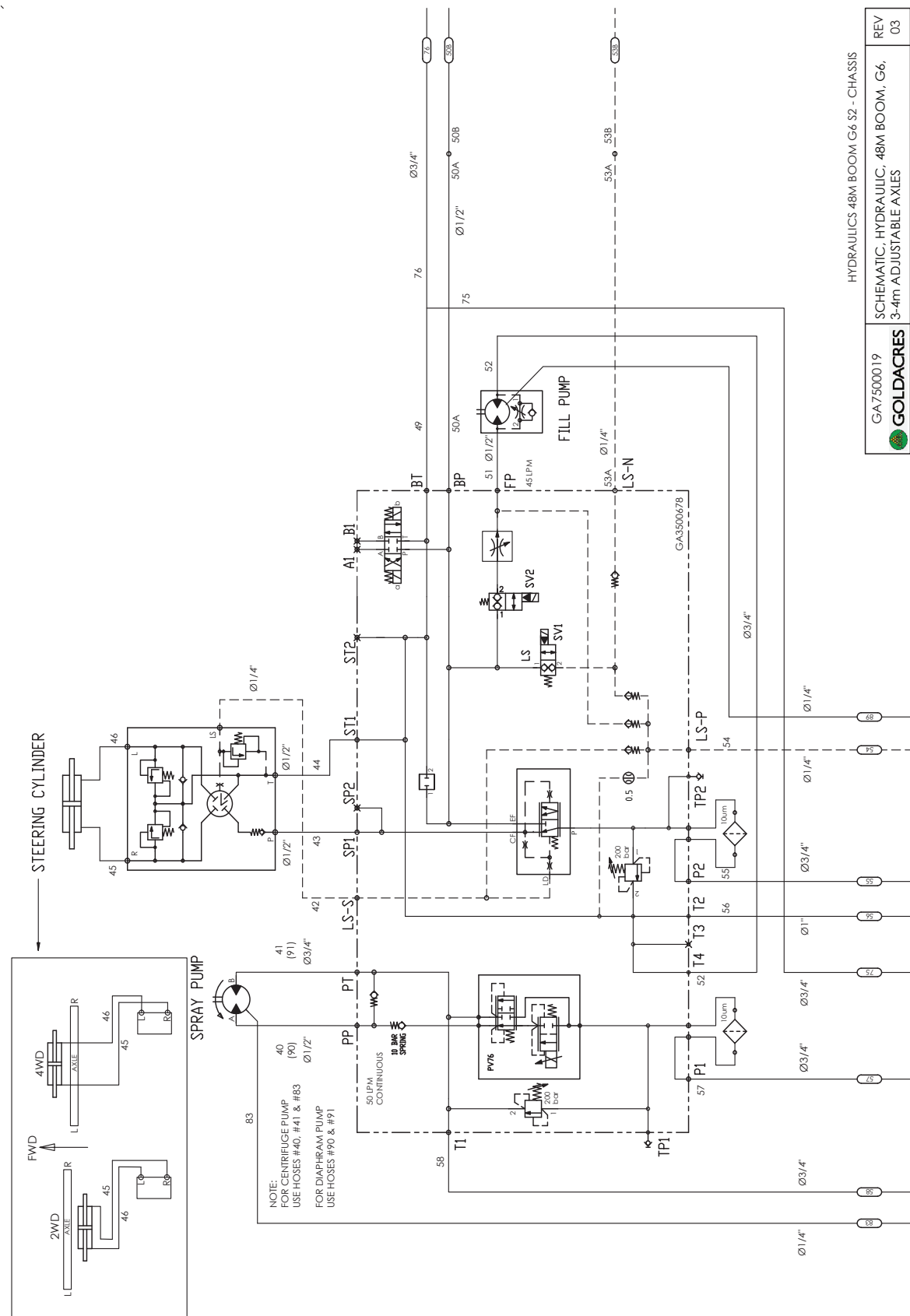
GOLDACRES GA7500018	SCHEMATIC, HYDRAULIC, 36M AND 42M; G6, 3-4m ADJUSTABLE AXLES	REV 08
-------------------------------	---	-----------

Hydraulic Schematic - 36-42m Booms

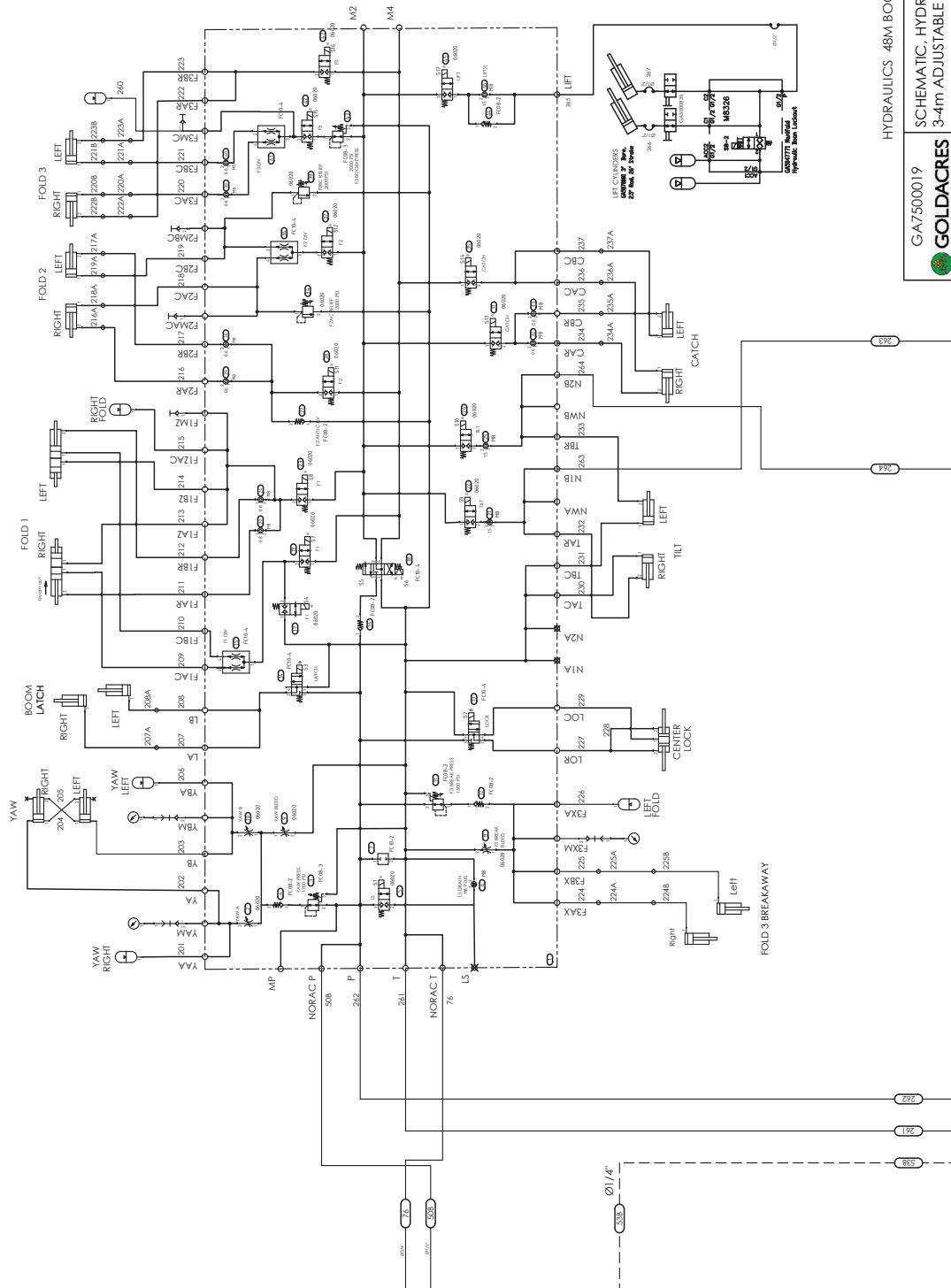


Continued over page

Hydraulic Schematic - 48m Booms

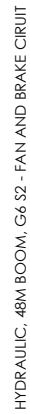


Hydraulic Schematic - 48m Booms



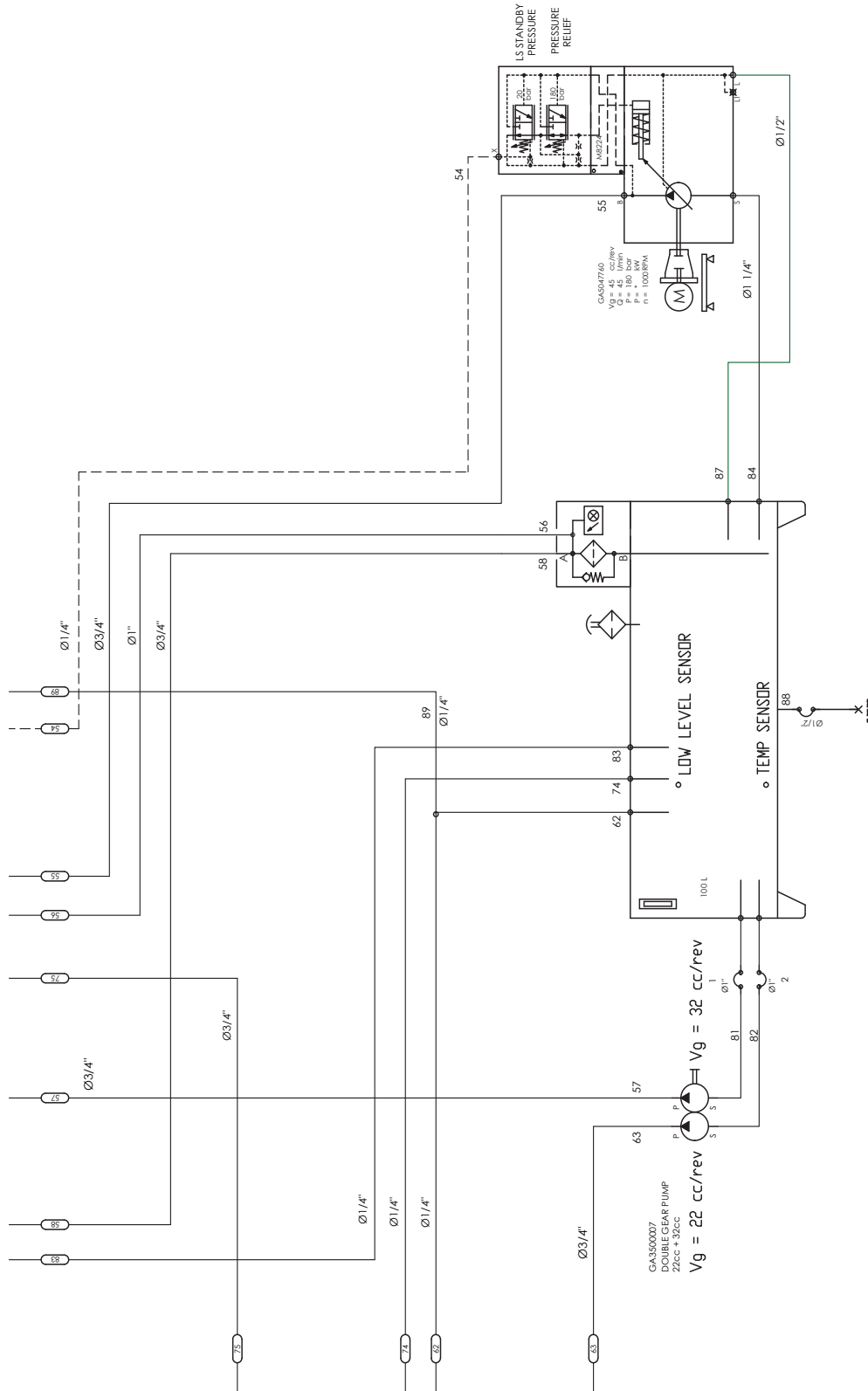
HYDRAULICS 48M BOOM G6 S2 - 48M BOOM

GA7500019	SCHEMATIC, HYDRAULIC, 48M BOOM, G6, 3-4m ADJUSTABLE AXLES	REV 03
	GOLDACRES	



GA7500019	SCHEMATIC, HYDRAULIC, 48M BOOM, G6, 3-4m ADJUSTABLE AXLES	REV 03
-----------	--	-----------

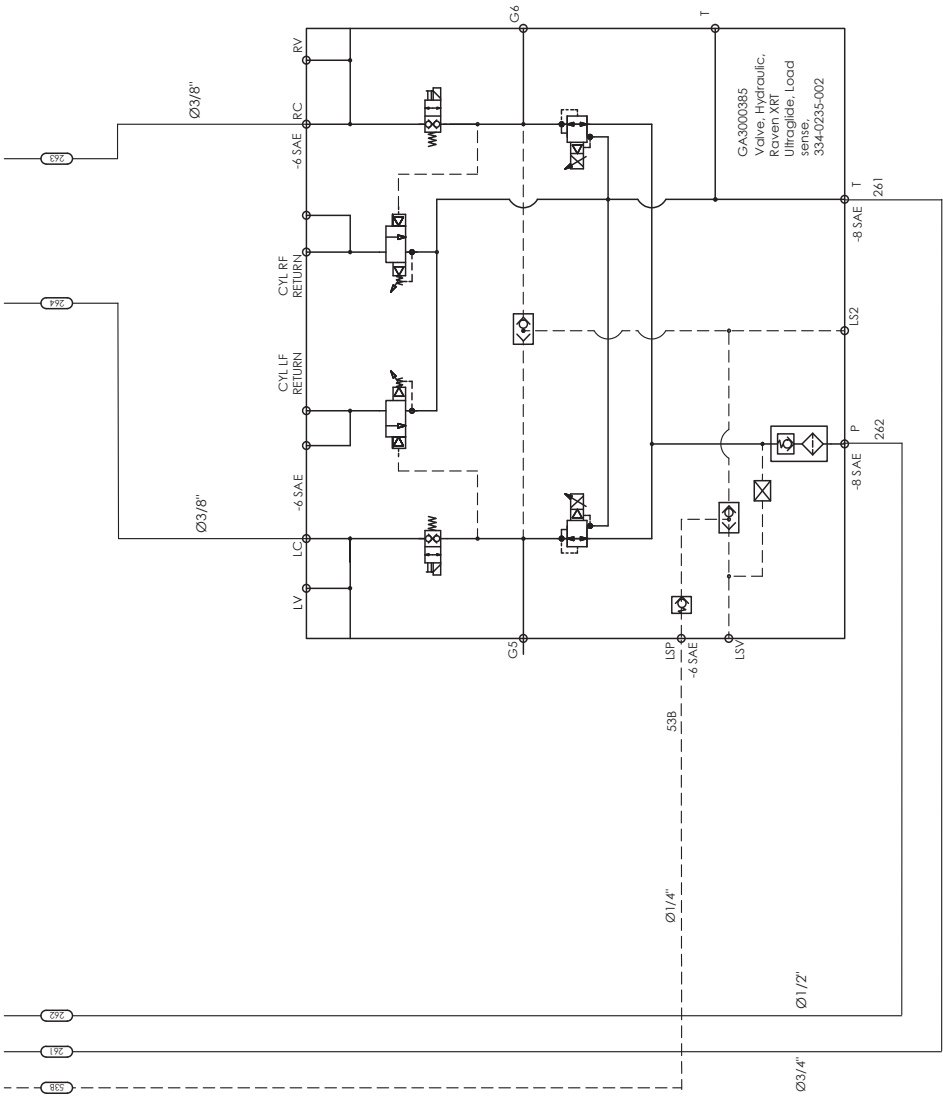
Hydraulic Schematic - 48m Booms



HYDRAULICS 48M BOOM G6 S2 - OIL TANK AND PUMPS

GA7500019	SCHEMATIC, HYDRAULIC, 48M BOOM, G6, 3-4m ADJUSTABLE AXLES	REV 03
		

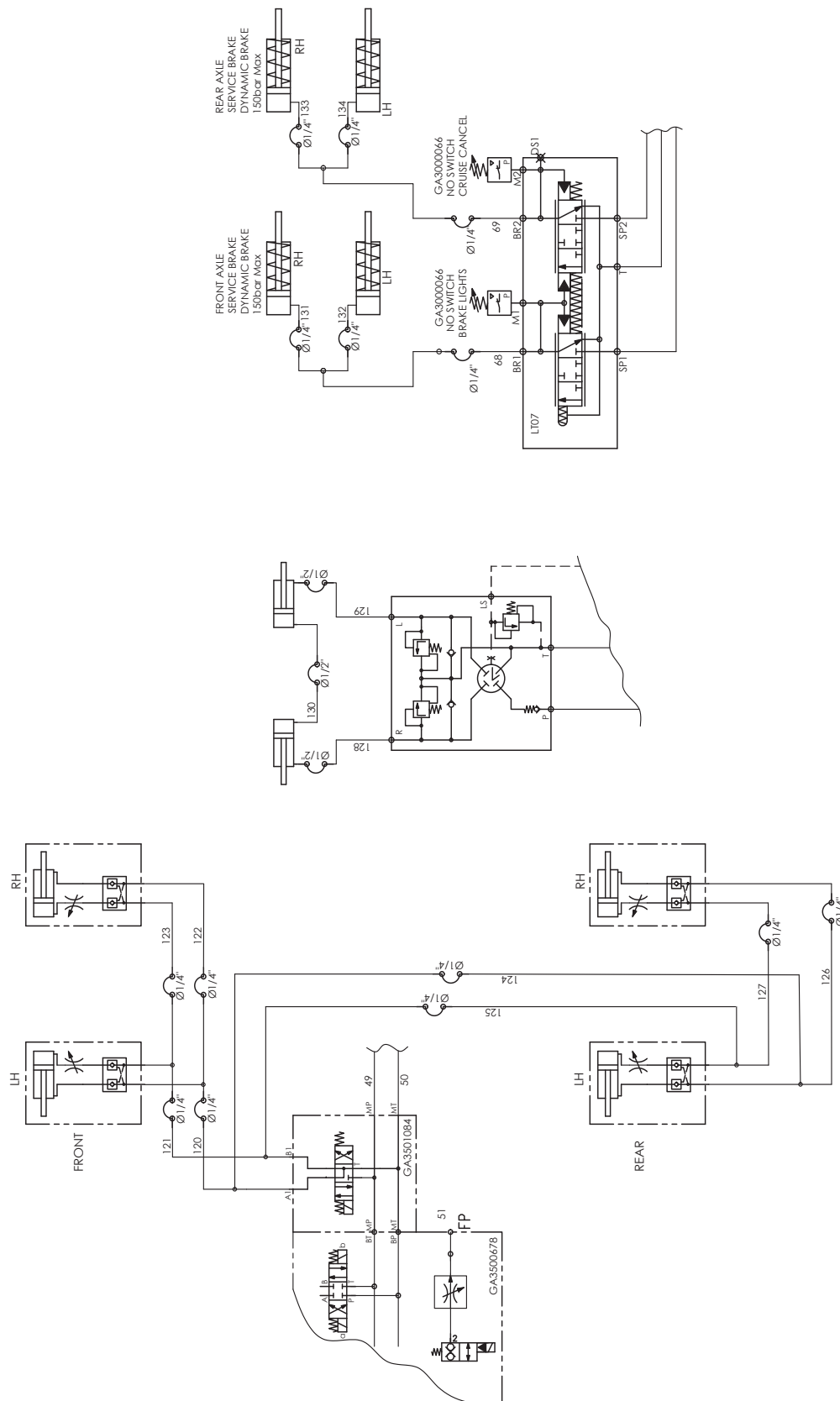
Hydraulic Schematic - 48m Booms



SCHEMATIC, HYDRAULIC, 48M BOOM, G6 S2 - RAVEN XRT

GA7500019 GOLDACRES	SCHEMATIC, HYDRAULIC, 48M BOOM, G6, 3-4m ADJUSTABLE AXLES	REV 03
-------------------------------	---	-----------

Hydraulic Schematic - 48m Booms



HYDRAULIC 48M BOOM G6 3-4m ADJUSTABLE AXLES

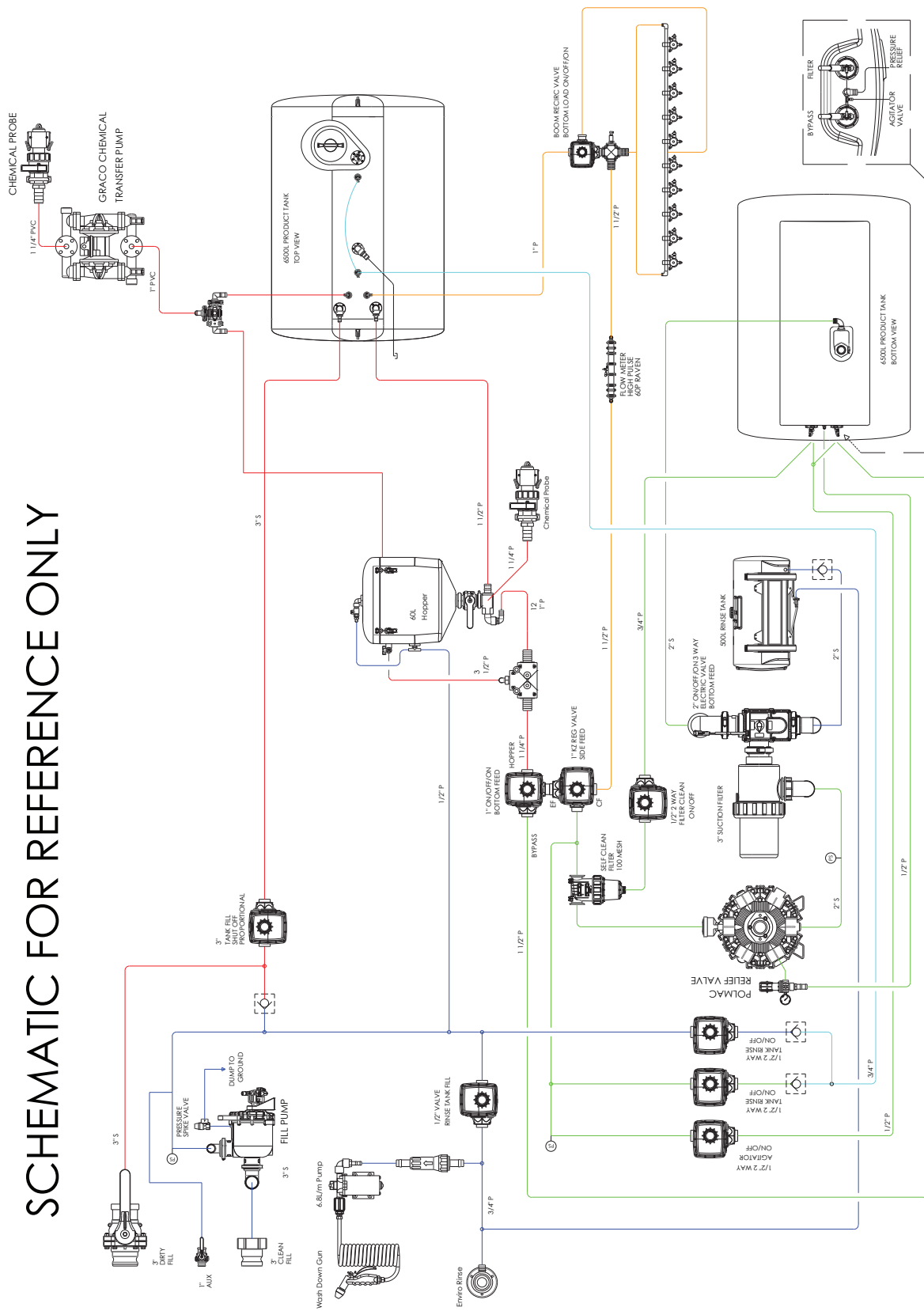
GA7500019	SCHEMATIC, HYDRAULIC, 48M BOOM, G6, 3-4m ADJUSTABLE AXLES	REV 03
-----------	---	--------



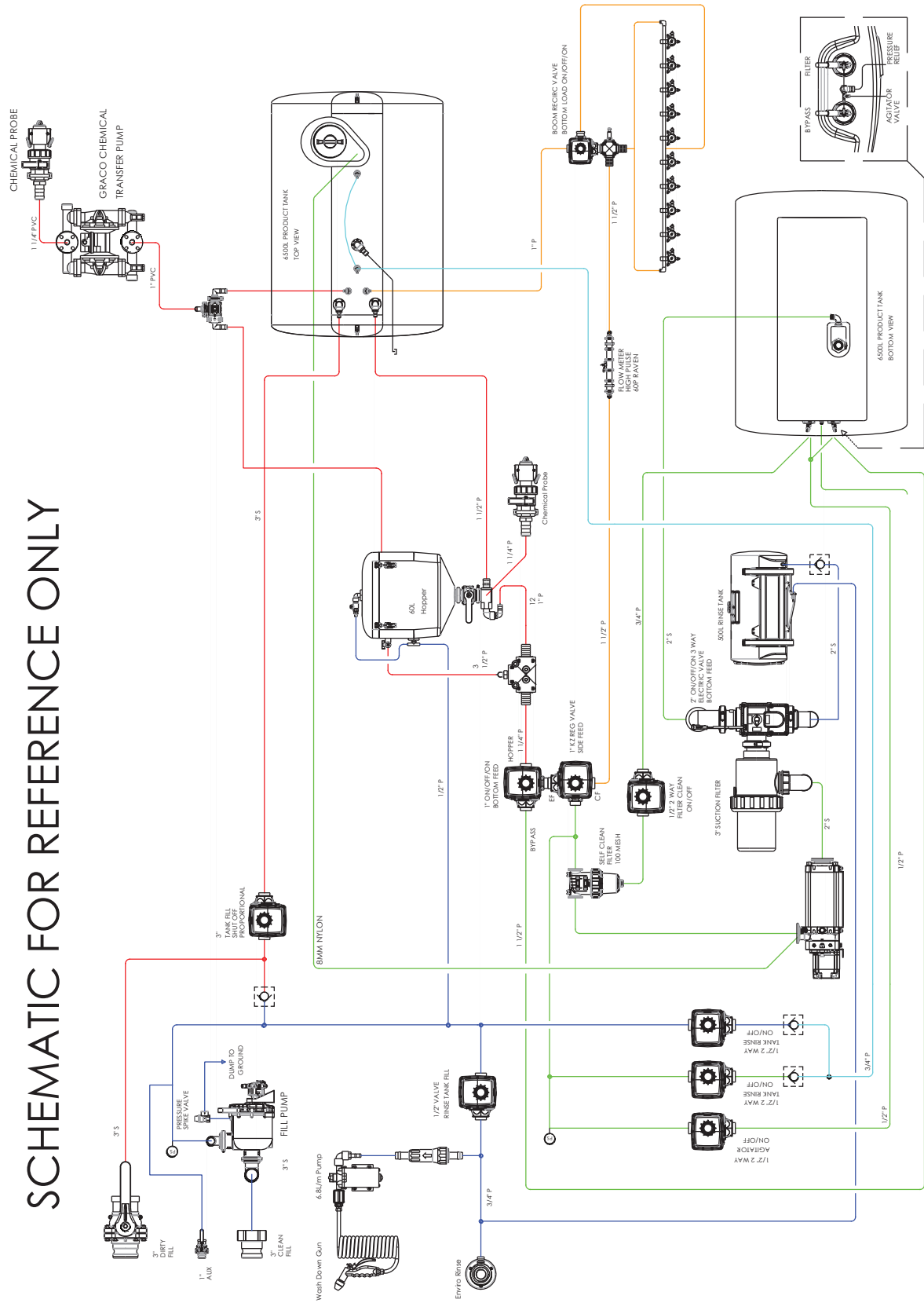
Hydraulic Hoses - Contact Goldacres Dealer Support

Plumbing Schematic - Diaphragm Pump

SCHEMATIC FOR REFERENCE ONLY

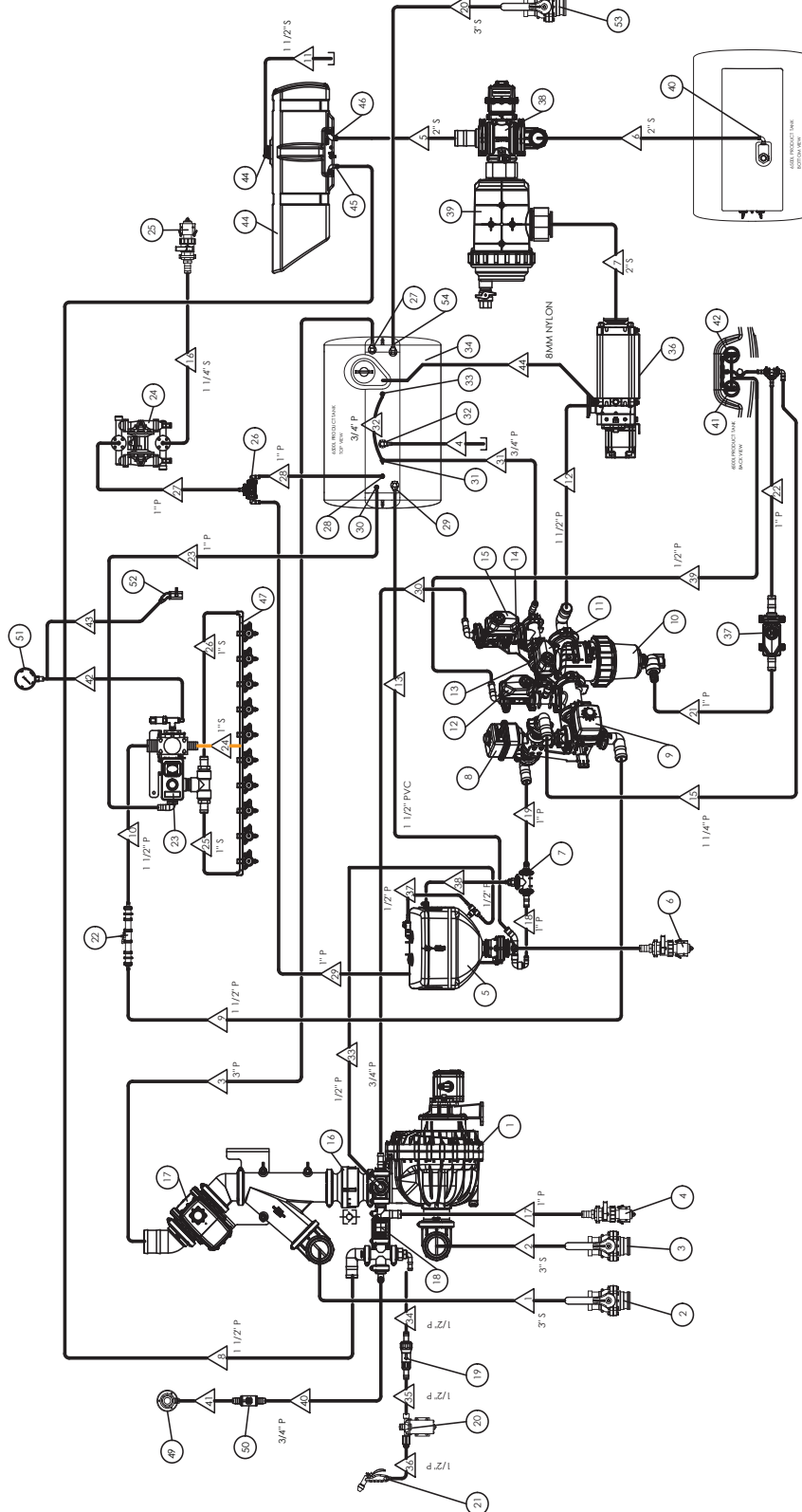


Plumbing Schematic - Centrifugal Pump



Continues Over Page

Plumbing Schematic - Centrifugal Pump



Continues Over Page

Plumbing Schematic - Centrifugal Pump

FEATURE DESCRIPTIONS

ITEM	DESCRIPTION
1	FILL PUMP 3" HYPRO
2	3" FILL BALL VALVE, DIRTY LINE
3	3" FILL BALL VALVE, CLEAN LINE
4	1" FILL PUMP AUXILIARY OUTLET BALL VALVE
5	HOPPER
6	1" CHEMICAL INDUCTION PROBE BALL VALVE FOR HOPPER VENTURI
7	HOPPER TEE
8	HOPPER/BYPASS 3 WAY ELECTRIC BALL VALVE, BOTTOM LOAD
9	BOOM REGULATOR 3 WAY BALL VALVE, SIDE LOAD
10	PRESSURE FILTER
11	TANK RINSE 2 WAY ELECTRIC BALL VALVE, PUMP PRESSURE
12	AGITATOR JET 2 WAY ELECTRIC BALL VALVE
13	1" CHECK VALVE
14	1" CHECK VALVE
15	TANK RINSE 2 WAY ELECTRIC BALL VALVE, FILL PRESSURE
16	3" CHECK VALVE
17	3" TANK FILL 2 WAY ELECTRIC BALL VALVE, PROPORTIONAL
18	RINSE TANK FILL 2 WAY ELECTRIC BALL VALVE
19	IN LINE FILTER
20	WASH DOWN GUN PUMP
21	WASH DOWN GUN
22	BOOM FLOW METER ASSEMBLY
23	BOOM RECIRCULATION 3 WAY ELECTRIC BALL VALVE, SIDE LOAD
24	CHEMICAL INDUCTION PUMP, GRACO HUSKY
25	1" CHEMICAL INDUCTION PROBE BALL VALVE FOR CHEMICAL PUMP
26	CHEMICAL PUMP OUTLET SELECTOR 1" - 3 WAY BALL VALVE
27	TANK FILL INLET - PRODUCT TANK
28	CHEMICAL INDUCTION PUMP TANK INLET - PRODUCT TANK
29	HOPPER TANK INLET - PRODUCT TANK
30	BOOM RECIRCULATION TANK INLET - PRODUCT TANK
31	TANK RINSE NOZZLE 1 - PRODUCT TANK
32	TANK OVERFLOW OUTLET - PRODUCT TANK
33	TANK RINSE NOZZLE 2 - PRODUCT TANK
34	TANK 4000L
36	SPRAY PUMP
37	FILTER CLEAN 2 WAY ELECTRIC BALL VALVE
38	PUMP SUCTION TANK SELECTOR 3 WAY ELECTRIC BALL VALVE BL
39	PUMP SUCTION FILTER
40	PUMP OUTLET - PRODUCT TANK
41	AGITATOR 1
42	AGITATOR 2
43	PRESSURE RELIEF VALVE INLET - PRODUCT TANK
44	RINSE TANK
45	FILL INLET - RINSE TANK
46	PUMP OUTLET - RINSE TANK
47	BOOM
48	RINSE TANK OVERFLOW
49	MICROMATIC RINSE SOCKET
50	MICROMATIC RINSE SOCKET BALL VALVE
51	SPRAY PRESSURE GAUGE
52	GAUGE DRAIN VALVE
53	3" FILL BALL VALVE, FRONT SEPARATE FILL
54	TANK FILL INLET - PRODUCT TANK, FRONT SEPARATE FILL

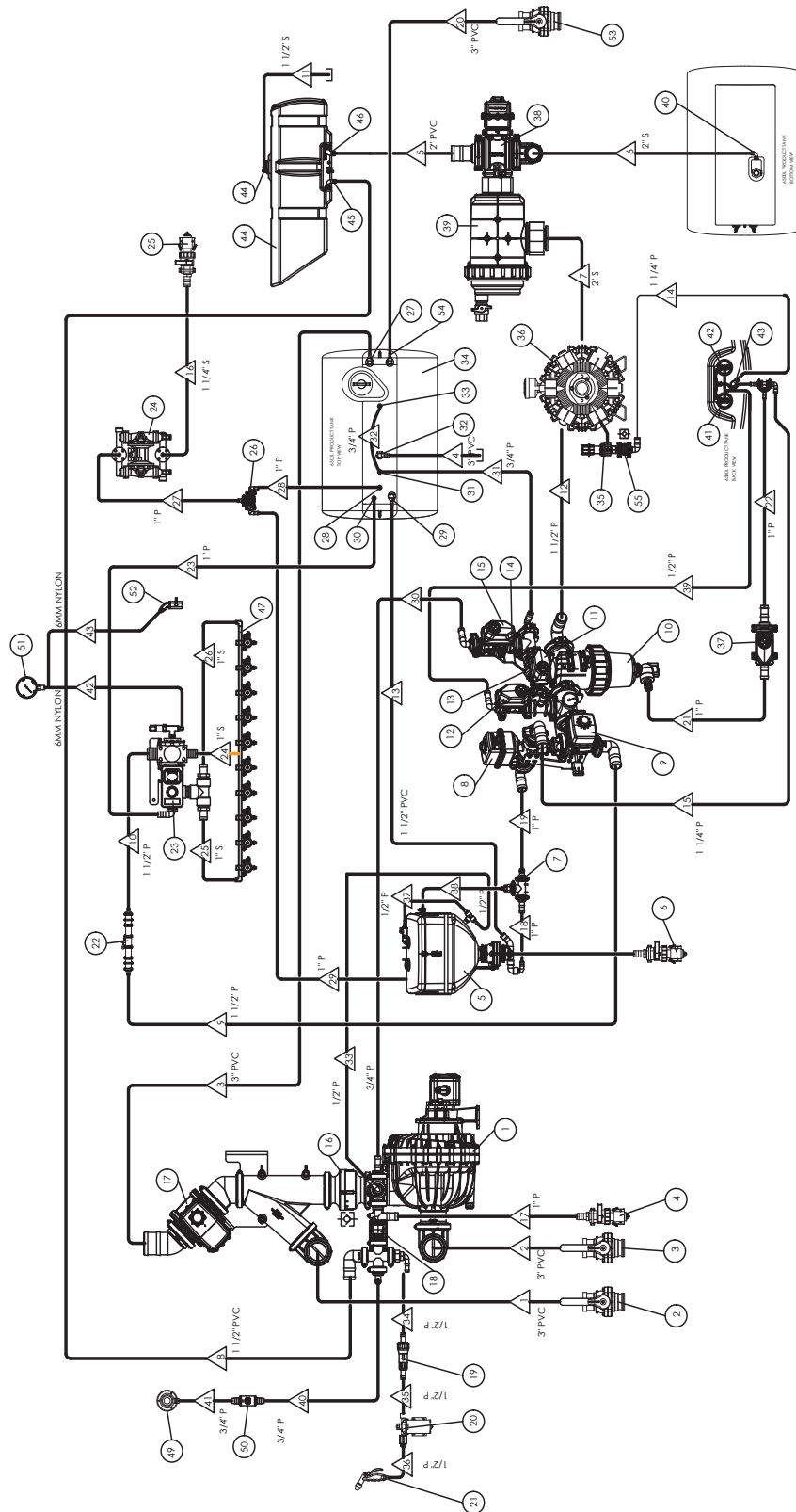
HOSE LIST

DO NOT CUT ANY HOSES MARKED WITH #

HOSE	SIZE	DESCRIPTION	LENGTH - MM	WHERE CUT
1	3" PVC	DIRTY FILL 3" BALL VALVE TO FILL PUMP ASSEMBLY	560	STAGE 3
2	3" PVC	CLEAN FILL 3" BALL VALVE TO FILL PUMP ASSEMBLY	350	STAGE 3
3	3" PVC	FILL PUMP ASSEMBLY TO PRODUCT TANK	1320	STAGE 3
4	3" PVC	PRODUCT TANK OVERFLOW HOSE	#4000	TANKS
20	3" PVC	(OPTION 50268) SEPARATE FRONT FILL 3" BALL VALVE TO PRODUCT TANK	4000	STAGE 3
5	2" PVC	RINSE TANK TO SUCTION FILTER BALL VALVE	1100	STAGE 3
6	2" S	PRODUCT TANK TO SUCTION FILTER BALL VALVE	490	STAGE 3
7	2" S	SUCTION FILTER TO SPRAY PUMP	#700	STAGE 3
8	1 1/2" PVC	FILL PUMP TO RINSE TANK	2100	STAGE 3
11	1 1/2" PVC	RINSE TANK OVERFLOW	1050	STAGE 3
13	1 1/2" PVC	HOPPER OUTLET TO PRODUCT TANK	6500	STAGE 3
9	1 1/2" P	REGULATOR VALVE TO FLOW METER	5500	STAGE 3
10	1 1/2" P	FLOW METER TO BOOM FLOW DISTRIBUTOR	1180	STAGE 3
12	1 1/2" P	SPRAY PUMP TO PRESSURE FILTER	1700	STAGE 3
14				
15	1 1/4" P	HOPPER/BYPASS VALVE TO AGITATOR	1400	STAGE 3
16	1 1/4" S	CHEMICAL PROBE CAMLOCK VALVE TO CHEMICAL PUMP	#420	SUBASSEMBLY
17	1" P	FILL PUMP TO AUXILIARY OUTLET BALL VALVE	800	STAGE 3
18	1" P	HOPPER PRESSURE TEE TO HOPPER BOTTOM VENTURI PORT	3000	STAGE 3
19	1" P	HOPPER/BYPASS VALVE TO HOPPER PRESSURE TEE	#350	STAGE 1
21	1" P	PRESSURE FILTER TO FILTER CLEAN VALVE	430	STAGE 3
22	1" P	FILTER CLEAN VALVE TO AGITATOR	1500	STAGE 3
23	1" P	BOOM RECIRC VALVE TO PRODUCT TANK	5000	STAGE 3
24	1" S	BOOM FLOW DISTRIBUTOR TO BOOM POLY CENTRE	#1200	BOOM
25	1" S	BOOM FLOW DISTRIBUTOR TO LEFT BOOM POLY END	#3300	BOOM
26	1" S	BOOM FLOW DISTRIBUTOR TO RIGHT BOOM POLY END	#3300	BOOM
27	1" P	CHEMICAL PUMP TO 3 WAY BALL VALVE	#400	SUBASSEMBLY
28	1" P	3 WAY BALL VALVE TO PRODUCT TANK	6500	STAGE 3
29	1" P	3 WAY BALL VALVE TO HOPPER	3200	STAGE 3
30	3/4" P	FILL PUMP TO TANK RINSE BALL VALVE	1100	STAGE 3
31	3/4" P	TANK RINSE TEE TO TANK RINSE NOZZLE A	5000	STAGE 3
32	3/4" P	TANK RINSE NOZZLE A TO TANK RINSE NOZZLE B	#1050	TANKS
40	3/4" P	FILL PUMP TO MICROMATIC RINSE SOCKET BALL VALVE	120	STAGE 3
41	3/4" P	MICROMATIC RINSE SOCKET BALL VALVE TO FILL PUMP TEE	800	STAGE 3
33	1/2" P	FILL PUMP TO HOPPER DRUM RINSE TEE	2900	STAGE 3
34	1/2" P	FILL PUMP TO WASH DOWN GUN PUMP FILTER	820	STAGE 3
35	1/2" P	WASH DOWN GUN PUMP FILTER TO WASHDOWN GUN PUMP	#80	SUBASSEMBLY
36	1/2" P	WASHDOWN GUN PUMP TO WASHDOWN GUN	3500	STAGE 3
37	1/2" P	HOPPER DRUM RINSE TEE TO HOPPER RINSE NOZZLE	850	STAGE 3
38	1/2" P	HOPPER PRESSURE TEE TO HOPPER MIXING JET BALL VALVE	3100	STAGE 3
39	1/2" P	AGITATOR BALL VALVE TO AGITATOR - JETS	2300	STAGE 3
42	6MM NYLON	BOOM RECIRCULATION VALVE TO PRESSURE GAUGE	#9700	STAGE 3
43	6MM NYLON	PRESSURE GAUGE TO DRAIN VALVE	#5000	STAGE 3
44	8MM NYLON	ARAG PUMP BLEED LINE	6000	STAGE 3

GAT500013	PLUMBING SCHEMATIC, ARAG 400L/min	REV
	MULTISTAGE CENTRIFUGAL PUMP, G6 MY20	04

Plumbing Schematic - Diaphragm Pump



GA7500012	PLUMBING SCHEMATIC, ZETA 260L/min DIAPHRAGM PUMP, G6 MY20	REV 04
-----------	--	-----------

Plumbing Schematic - Diaphragm Pump

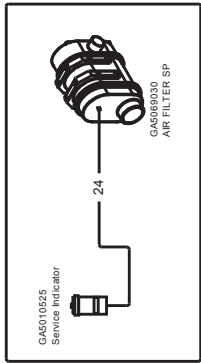
FEATURE DESCRIPTIONS

ITEM	DESCRIPTION
1	FILL PUMP 3" HYPRO
2	3" FILL BALL VALVE, DIRTY LINE
3	3" FILL BALL VALVE, CLEAN LINE
4	1" FILL PUMP AUXILIARY OUTLET BALL VALVE
5	HOPPER
6	1" CHEMICAL INDUCTION PROBE BALL VALVE FOR HOPPER VENTURI
7	HOPPER TEE
8	HOPPER/BYPASS 3 WAY ELECTRIC BALL VALVE, BOTTOM LOAD
9	BOOM REGULATOR 3 WAY BALL VALVE VALVE, SIDE LOAD
10	PRESSURE FILTER
11	TANK RINSE 2 WAY ELECTRIC BALL VALVE, PUMP PRESSURE
12	AGITATOR JET 2 WAY ELECTRIC BALL VALVE
13	1" CHECK VALVE
14	1" CHECK VALVE
15	TANK RINSE 2 WAY ELECTRIC BALL VALVE, FILL PRESSURE
16	3" CHECK VALVE
17	3" TANK FILL 2 WAY ELECTRIC BALL VALVE, PROPORTIONAL
18	RINSE TANK FILL 2 WAY ELECTRIC BALL VALVE
19	IN LINE FILTER
20	WASH DOWN GUN PUMP
21	WASH DOWN GUN
22	BOOM FLOW METER ASSEMBLY
23	BOOM RECIRCULATION 3 WAY ELECTRIC BALL VALVE, SIDE LOAD
24	CHEMICAL INDUCTION PUMP, GRACO HUSKY
25	1" CHEMICAL INDUCTION PROBE BALL VALVE FOR CHEMICAL PUMP
26	CHEMICAL PUMP OUTLET SELECTOR 1" 3 WAY BALL VALVE
27	TANK FILL INLET - PRODUCT TANK
28	CHEMICAL INDUCTION PUMP TANK INLET - PRODUCT TANK
29	HOPPER TANK INLET - PRODUCT TANK
30	BOOM RECIRCULATION TANK INLET - PRODUCT TANK
31	TANK RINSE NOZZLE 1 - PRODUCT TANK
32	TANK OVERFLOW OUTLET - PRODUCT TANK
33	TANK RINSE NOZZLE 2 - PRODUCT TANK
34	TANK 6000L
35	RELIEF VALVE (ONLY FITTED WITH UDOR PUMP)
36	SPRAY PUMP
37	FILTER CLEAN 2 WAY ELECTRIC BALL VALVE
38	PUMP SUCTION TANK SELECTOR 3 WAY ELECTRIC BALL VALVE BL
39	PUMP SUCTION FILTER
40	PUMP OUTLET - PRODUCT TANK
41	AGITATOR 1
42	AGITATOR 2
43	PRESSURE RELIEF VALVE INLET - PRODUCT TANK
44	RINSE TANK
45	FILL INLET - RINSE TANK
46	PUMP OUTLET - RINSE TANK
47	BOOM
48	RINSE TANK OVERFLOW
49	MICROMATIC RINSE SOCKET
50	MICROMATIC RINSE SOCKET BALL VALVE
51	SPRAY PRESSURE GAUGE
52	GAUGE DRAIN VALVE
53	3" FILL BALL VALVE, FRONT SEPARATE FILL
54	TANK FILL INLET - PRODUCT TANK, FRONT SEPARATE FILL
55	CHECK VALVE, 1" MANIFOLD FLANGE

HOSE LIST

DO NOT CUT ANY HOSES MARKED WITH #

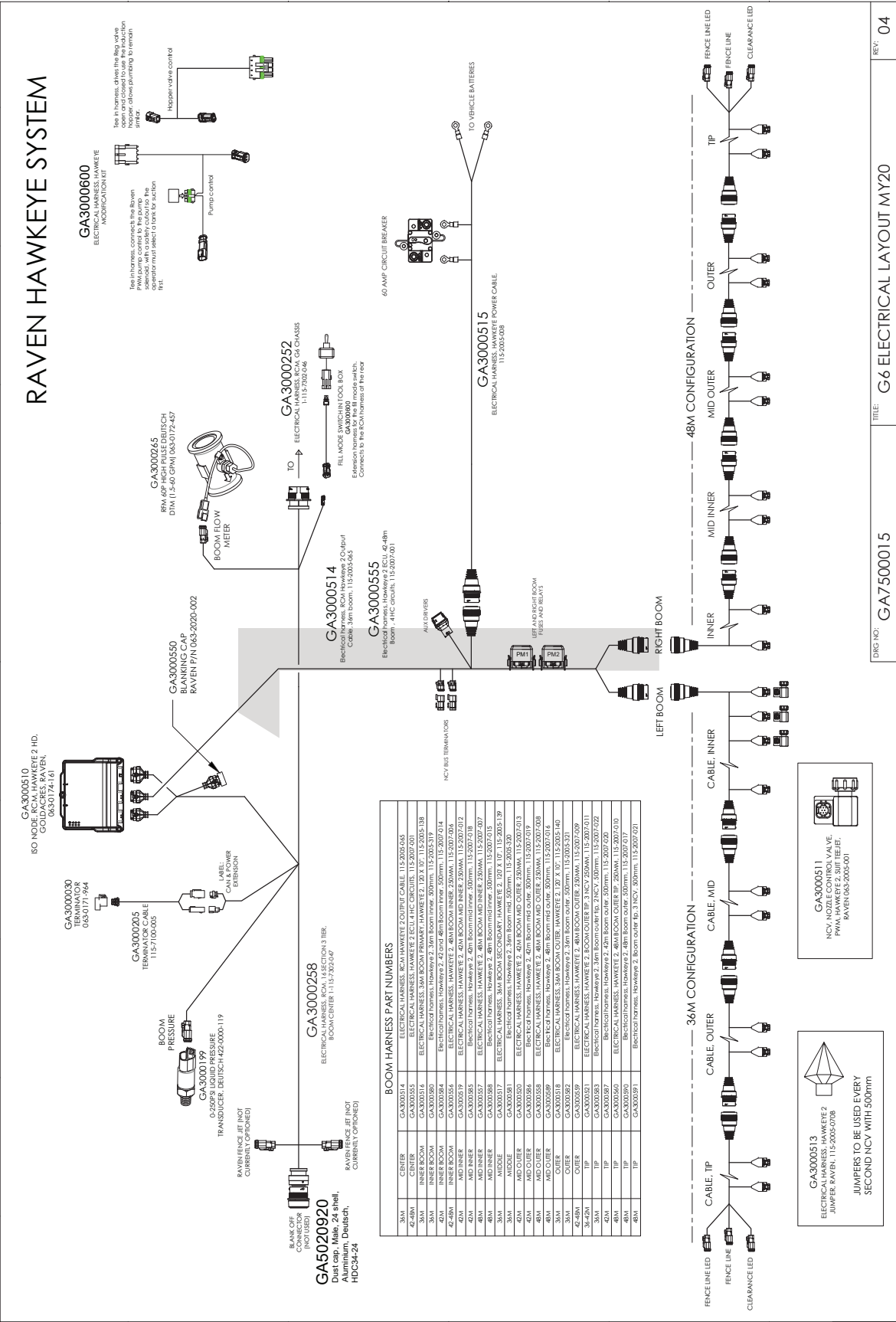
HOSE	SIZE	DESCRIPTION	LENGTH - MM	WHERE CUT
1	3" PVC	DIRTY FILL 3" BALL VALVE TO FILL PUMP ASSEMBLY	560	STAGE 3
2	3" PVC	CLEAN FILL 3" BALL VALVE TO FILL PUMP ASSEMBLY	350	STAGE 3
3	3" PVC	FILL PUMP ASSEMBLY TO PRODUCT TANK	1320	STAGE 3
4	3" PVC	PRODUCT TANK OVERFLOW HOSE	#4000	TANKS
20	3" PVC	(OPTION 50038) SEPARATE FRONT FILL 3" BALL VALVE TO PRODUCT TANK	#4000	STAGE 3
5	2" PVC	RINSE TANK TO SUCTION FILTER BALL VALVE	1100	STAGE 3
6	2" S	PRODUCT TANK TO SUCTION FILTER BALL VALVE	490	STAGE 3
7	2" S	SUCTION FILTER TO SPRAY PUMP	700	STAGE 3
8	1 1/2" PVC	RINSE TANK OVERFLOW	2100	STAGE 3
11	1 1/2" PVC	HOPPER OUTLET TO PRODUCT TANK	1050	STAGE 3
13	1 1/2" PVC	REGULATOR VALVE TO FLOW METER	6500	STAGE 3
9	1 1/2" P	FLOW METER TO BOOM FLOW DISTRIBUTOR	5500	STAGE 3
10	1 1/2" P	SPRAY PUMP TO PRESSURE FILTER - 2WD	1180	STAGE 3
12	1 1/2" P	SPRAY PUMP TO PRESSURE FILTER - 4WD	1250	STAGE 3
14	1 1/4" P	PRESSURE RELIEF VALVE TO PRODUCT TANK (WHERE FITTED)	1500	STAGE 3
15	1 1/4" P	HOPPER/BYPASS VALVE TO AGITATOR	3500	STAGE 3
16	1 1/4" S	CHEMICAL PROBE CAMLOCK VALVE TO CHEMICAL PUMP	1400	STAGE 3
17	1" P	FILL PUMP TO AUXILIARY OUTLET BALL VALVE	#420	SUBASSEMBLY
18	1" P	HOPPER PRESSURE TEE TO HOPPER BOTTOM VENTURI PORT	800	STAGE 3
19	1" P	HOPPER/BYPASS VALVE TO HOPPER PRESSURE TEE	3000	STAGE 3
21	1" P	PRESSURE FILTER TO FILTER CLEAN VALVE	#350	STAGE 1
22	1" P	FILTER CLEAN VALVE TO AGITATOR	430	STAGE 3
23	1" S	BOOM RECIRC VALVE TO PRODUCT TANK	1500	STAGE 3
24	1" S	BOOM FLOW DISTRIBUTOR TO BOOM POLY CENTRE	5000	STAGE 3
25	1" S	BOOM FLOW DISTRIBUTOR TO LEFT BOOM POLY END	#1200	BOOM
26	1" S	BOOM FLOW DISTRIBUTOR TO RIGHT BOOM POLY END	#3300	BOOM
27	1" P	CHEMICAL PUMP TO 3 WAY BALL VALVE	#400	SUBASSEMBLY
28	1" P	3 WAY BALL VALVE TO PRODUCT TANK	6500	STAGE 3
29	1" P	3 WAY BALL VALVE TO HOPPER	3200	STAGE 3
30	3/4" P	FILL PUMP TO TANK RINSE BALL VALVE	1100	STAGE 3
31	3/4" P	TANK RINSE TEE TO TANK RINSE NOZZLE A	5000	STAGE 3
32	3/4" P	TANK RINSE NOZZLE A TO TANK RINSE NOZZLE B	#1050	TANKS
40	3/4" P	FILL PUMP TO MICROMATIC RINSE SOCKET BALL VALVE	120	STAGE 3
41	3/4" P	MICROMATIC RINSE SOCKET BALL VALVE TO FILL PUMP TEE	800	STAGE 3
33	1/2" P	FILL PUMP TO HOPPER DRUM RINSE TEE	2900	STAGE 3
34	1/2" P	FILL PUMP TO WASH DOWN GUN PUMP FILTER	820	STAGE 3
35	1/2" P	WASH DOWN GUN PUMP FILTER TO WASHDOWN GUN PUMP	#80	SUBASSEMBLY
36	1/2" P	WASHDOWN GUN PUMP TO WASHDOWN GUN	3500	STAGE 3
37	1/2" P	HOPPER DRUM RINSE TEE TO HOPPER RINSE NOZZLE	850	STAGE 3
38	1/2" P	HOPPER PRESSURE TEE TO HOPPER MIXING JET BALL VALVE	3100	STAGE 3
39	1/2" P	AGITATOR BALL VALVE TO AGITATOR JETS	2300	STAGE 3
42	6MM NYLON	BOOM RECIRCULATION VALVE TO PRESSURE GAUGE	#9700	STAGE 3
43	6MM NYLON	PRESSURE GAUGE TO DRAIN VALVE	#5000	STAGE 3



Pneumatic Schematic - Chassis Hose List

HOSE NO.	HOSE SIZE	LENGTH	END FITTING	END FITTING	DESCRIPTION	QTY
1	1/2" BLUE	2000mm	GA3500417	GA3500415	AIR FEED FROM COMPRESSOR TO AIR DRYER (PORT 1)	1
2	1/2" BLUE	3500mm	GA3500412	GA3500415	AIR DRYER (PORT 21) TO TANK	1
3	3/8" BLACK	160mm	GA5078519	GA5078516	TANK TO TEE	1
4	3/8" BLACK	1000mm	GA5078516	GA5078516	TEE TO TEE	1
5	3/8" BLACK	1800mm	GA5078516	GA5078523	TEE TO FRONT RIDE HEIGHT VALVE (SUPPLY)	1
6	3/8" BLACK	115mm	GA5078523	GA5078526	FRONT RIDE HEIGHT (AIRBAG) VALVE TO ELBOW	1
7	3/8" BLACK	115mm	GA5078526	GA5078516	ELBOW TO TEE	1
8	3/8" BLACK	850mm	GA5078516	GA5078518	TEE TO AIRBAG FRONT R/H	1
9	3/8" BLACK	850mm	GA5078516	GA5078518	TEE TO AIRBAG FRONT L/H	1
10	3/8" BLACK	2500mm	GA5078516	GA5078516	TEE TO TEE	1
11	3/8" BLACK	100mm	GA5078516	GA5078516	TEE TO TEE	1
12	3/8" BLACK	600mm	GA5078516	GA5078525	TEE TO REAR RIDE HEIGHT VALVE R/H (SUPPLY)	1
13	3/8" BLACK	1030mm	GA5078516	GA5078525	TEE TO REAR RIDE HEIGHT VALVE L/H (SUPPLY)	1
14	3/8" BLACK	700mm	GA5078525	GA5078518	REAR RIDE HEIGHT VALVE R/H (AIRBAG) TO AIRBAG REAR R/H	1
15	3/8" BLACK	700mm	GA5078525	GA5078518	REAR RIDE HEIGHT VALVE L/H (AIRBAG) TO AIRBAG REAR L/H	1
16	3/8" BLACK	3300mm	GA5078516	GA5078517	TEE TO AIR FILTER / REGULATOR	1
17	3/8" BLACK	670mm	GA5078516	GA5078516	TEE TO TEE	1
18	3/8" BLACK	2600mm	GA5078516	GA5078525	TEE TO GOVERNOR VALVE (RES PORT)	1
19	3/8" BLACK	1400mm	GA5078516	GA5078516	TEE TO TEE	1
20	3/8" BLACK	370mm	GA5078516	GA5078518	TEE TO AIR COUPLER	1
21	3/8" BLACK	350mm	GA5078516	GA5078524	TEE TO BALL VALVE	1
22	3/8" BLACK	270mm	GA5078524	GA5078524	BALL VALVE TO CHEMICAL PUMP	1
23	6mm BLACK	40mm	GA5045140	GA5016245	TANK TO TEE	1
24	6mm BLACK	250mm	GA5016245	GA5045145	TEE TO MAC VALVE (TRANSFER CASE)	1
25	6mm BLACK	5000mm	GA5016245	GA7000013	TEE TO MAC VALVE (LADDER)	1
26	8mm BLACK	90mm	GA5052690	GA5067010	AIR REGULATOR TO TEE	1
27	8mm BLACK	10000mm	GA5067010		TEE TO BOOM PRESSURE GAUGE	1
28	3/8" BLACK	1350mm	GA5078517	GA5078525	AIR DRYER PORT 4 TO GOVERNOR VALVE (UNL)	1

Electrical Schematic - Raven Hawkeye

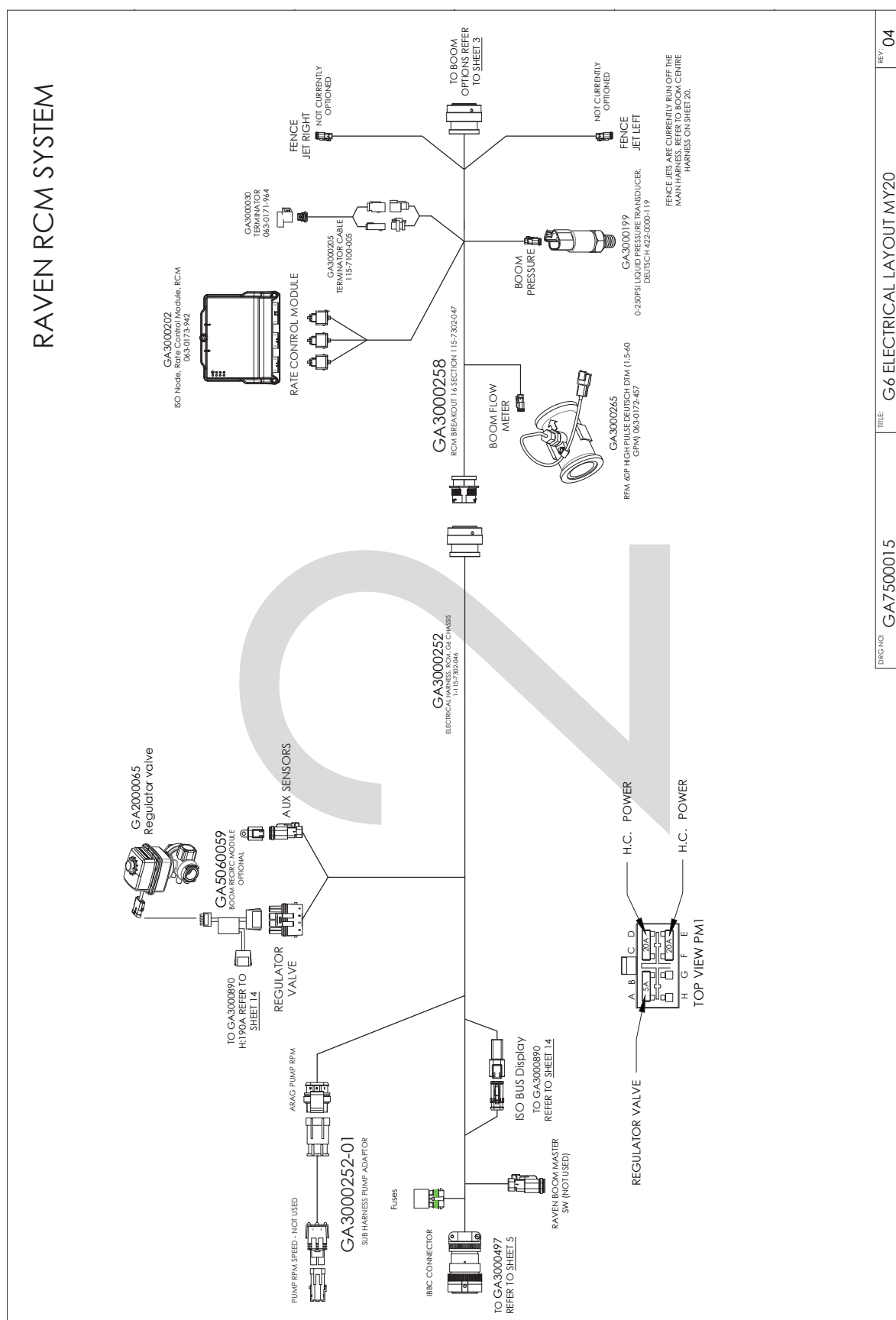


REV: 04

TITLE: G6 ELECTRICAL LAYOUT MY20

DWG NO: GA7500015

Electrical Schematic - Raven RCM



MASTER NOZZLE SOLENOIDS

GA.506.5844 (250 MM SPACING)

NOZZLE BODY TWIN DUAL SOLENOID
DIRECT CONTROL, AIR SHUT OFF, 3/4,
ALTEK

GA.506.5525 500 MM SPACING
OPTION 10041
SPRAY STOP, SOLENOID DIRECT
CONTROL, RAPIDFIRE, 5MM IN, 4MM
OUT, ALTEK

RAVEN BOOM OPTIONS

2 OF EACH REQUIRED,
1 ON EACH SIDE

GA3000266
LIGHT, LED, RED, FENCE,
DEUTSCH CONNECTOR

GA3000267
LIGHT, LED, ORANGE CLEARANCE,
DEUTSCH CONNECTOR

GA5077651
Solenoid fence line
ECS17560A-3/4-NYB

GA5071785
Solenoid, e-Chemsaver suit 2
Pin Metri-pack, Fence Line,
116950-12, Teejet

STANDARD

16 SECTION RAPID FIRE WITH 315 PRO

GA3000270
BOOM OUTER TIER TIER
315 PRO, 115-7302-051

GA3000260
BOOM INNER TIER TIER
315 PRO, 115-7302-050

GA3000264
ELECTRIC HARNESS, RCA, 16 SECTION 3
TIER, BREAKOUT, 115-7302-053

GA3000270
BOOM OUTER TIER TIER
315 PRO, 115-7302-051

GA3000260
BOOM INNER TIER TIER
315 PRO, 115-7302-050

GA3000264
ELECTRIC HARNESS, RCA, 16 SECTION 3
TIER, BREAKOUT, 115-7302-053

GA3000270
BOOM OUTER TIER TIER
315 PRO, 115-7302-051

GA3000260
BOOM INNER TIER TIER
315 PRO, 115-7302-050

GA3000264
ELECTRIC HARNESS, RCA, 16 SECTION 3
TIER, BREAKOUT, 115-7302-053

GA3000270
BOOM OUTER TIER TIER
315 PRO, 115-7302-051

GA3000260
BOOM INNER TIER TIER
315 PRO, 115-7302-050

GA3000264
ELECTRIC HARNESS, RCA, 16 SECTION 3
TIER, BREAKOUT, 115-7302-053

GA3000270
BOOM OUTER TIER TIER
315 PRO, 115-7302-051

GA3000260
BOOM INNER TIER TIER
315 PRO, 115-7302-050

GA3000264
ELECTRIC HARNESS, RCA, 16 SECTION 3
TIER, BREAKOUT, 115-7302-053

GA3000270
BOOM OUTER TIER TIER
315 PRO, 115-7302-051

GA3000260
BOOM INNER TIER TIER
315 PRO, 115-7302-050

GA3000264
ELECTRIC HARNESS, RCA, 16 SECTION 3
TIER, BREAKOUT, 115-7302-053

GA3000270
BOOM OUTER TIER TIER
315 PRO, 115-7302-051

GA3000260
BOOM INNER TIER TIER
315 PRO, 115-7302-050

GA3000264
ELECTRIC HARNESS, RCA, 16 SECTION 3
TIER, BREAKOUT, 115-7302-053

GA3000270
BOOM OUTER TIER TIER
315 PRO, 115-7302-051

GA3000260
BOOM INNER TIER TIER
315 PRO, 115-7302-050

GA3000264
ELECTRIC HARNESS, RCA, 16 SECTION 3
TIER, BREAKOUT, 115-7302-053

GA3000270
BOOM OUTER TIER TIER
315 PRO, 115-7302-051

GA3000260
BOOM INNER TIER TIER
315 PRO, 115-7302-050

GA3000264
ELECTRIC HARNESS, RCA, 16 SECTION 3
TIER, BREAKOUT, 115-7302-053

GA3000270
BOOM OUTER TIER TIER
315 PRO, 115-7302-051

GA3000260
BOOM INNER TIER TIER
315 PRO, 115-7302-050

GA3000264
ELECTRIC HARNESS, RCA, 16 SECTION 3
TIER, BREAKOUT, 115-7302-053

GA3000270
BOOM OUTER TIER TIER
315 PRO, 115-7302-051

GA3000260
BOOM INNER TIER TIER
315 PRO, 115-7302-050

GA3000264
ELECTRIC HARNESS, RCA, 16 SECTION 3
TIER, BREAKOUT, 115-7302-053

GA3000270
BOOM OUTER TIER TIER
315 PRO, 115-7302-051

GA3000260
BOOM INNER TIER TIER
315 PRO, 115-7302-050

GA3000264
ELECTRIC HARNESS, RCA, 16 SECTION 3
TIER, BREAKOUT, 115-7302-053

GA3000270
BOOM OUTER TIER TIER
315 PRO, 115-7302-051

GA3000260
BOOM INNER TIER TIER
315 PRO, 115-7302-050

GA3000264
ELECTRIC HARNESS, RCA, 16 SECTION 3
TIER, BREAKOUT, 115-7302-053

GA3000270
BOOM OUTER TIER TIER
315 PRO, 115-7302-051

GA3000260
BOOM INNER TIER TIER
315 PRO, 115-7302-050

GA3000264
ELECTRIC HARNESS, RCA, 16 SECTION 3
TIER, BREAKOUT, 115-7302-053

GA3000270
BOOM OUTER TIER TIER
315 PRO, 115-7302-051

GA3000260
BOOM INNER TIER TIER
315 PRO, 115-7302-050

GA3000264
ELECTRIC HARNESS, RCA, 16 SECTION 3
TIER, BREAKOUT, 115-7302-053

GA3000270
BOOM OUTER TIER TIER
315 PRO, 115-7302-051

GA3000260
BOOM INNER TIER TIER
315 PRO, 115-7302-050

GA3000264
ELECTRIC HARNESS, RCA, 16 SECTION 3
TIER, BREAKOUT, 115-7302-053

GA3000270
BOOM OUTER TIER TIER
315 PRO, 115-7302-051

GA3000260
BOOM INNER TIER TIER
315 PRO, 115-7302-050

GA3000264
ELECTRIC HARNESS, RCA, 16 SECTION 3
TIER, BREAKOUT, 115-7302-053

GA3000270
BOOM OUTER TIER TIER
315 PRO, 115-7302-051

GA3000260
BOOM INNER TIER TIER
315 PRO, 115-7302-050

GA3000264
ELECTRIC HARNESS, RCA, 16 SECTION 3
TIER, BREAKOUT, 115-7302-053

GA3000270
BOOM OUTER TIER TIER
315 PRO, 115-7302-051

GA3000260
BOOM INNER TIER TIER
315 PRO, 115-7302-050

GA3000264
ELECTRIC HARNESS, RCA, 16 SECTION 3
TIER, BREAKOUT, 115-7302-053

GA3000270
BOOM OUTER TIER TIER
315 PRO, 115-7302-051

GA3000260
BOOM INNER TIER TIER
315 PRO, 115-7302-050

GA3000264
ELECTRIC HARNESS, RCA, 16 SECTION 3
TIER, BREAKOUT, 115-7302-053

GA3000270
BOOM OUTER TIER TIER
315 PRO, 115-7302-051

GA3000260
BOOM INNER TIER TIER
315 PRO, 115-7302-050

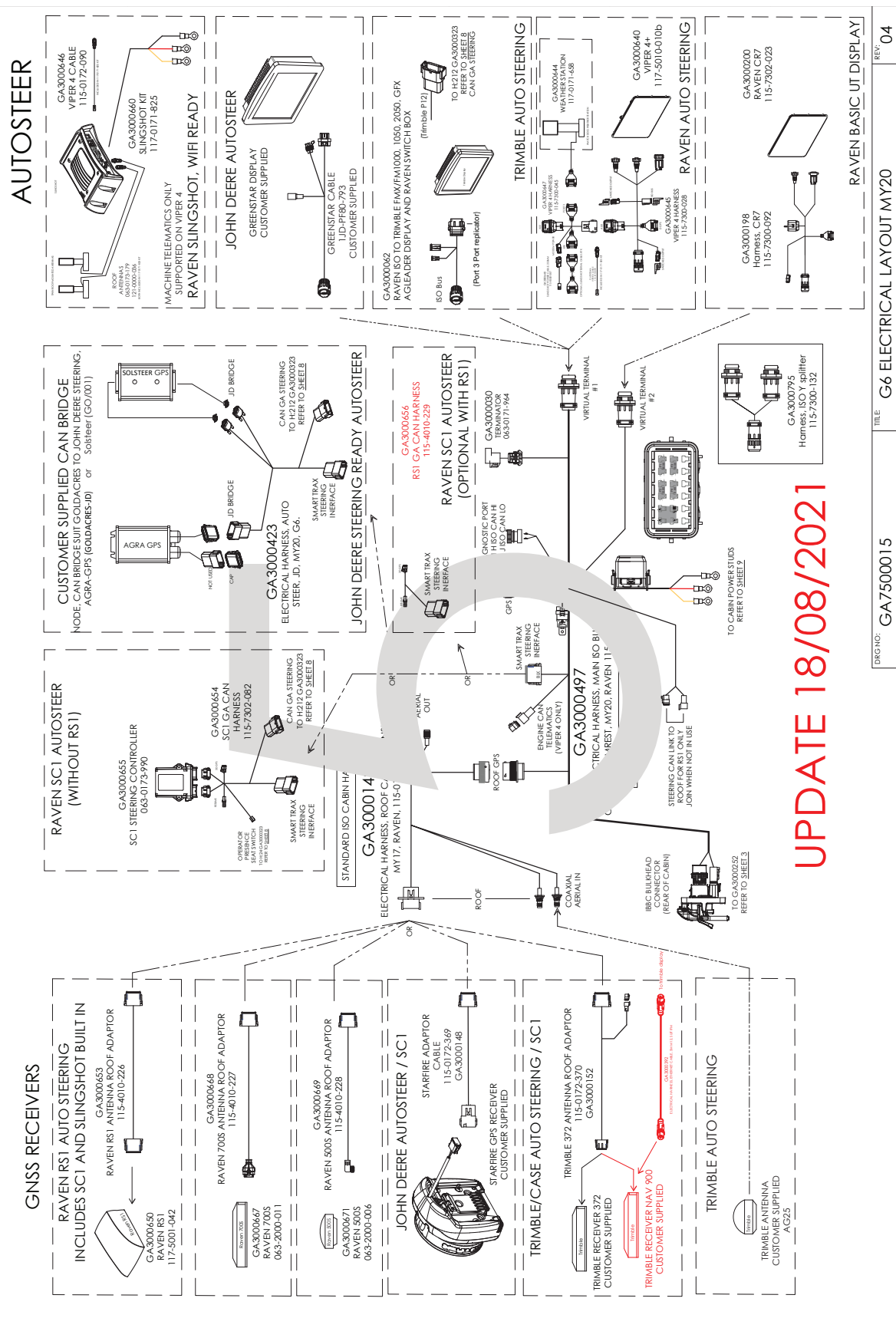
GA3000264
ELECTRIC HARNESS, RCA, 16 SECTION 3
TIER, BREAKOUT, 115-7302-053

GA3000270
BOOM OUTER TIER TIER
315 PRO, 115-7302-051

GA3000260
BOOM INNER TIER TIER
315 PRO, 115-7302-0

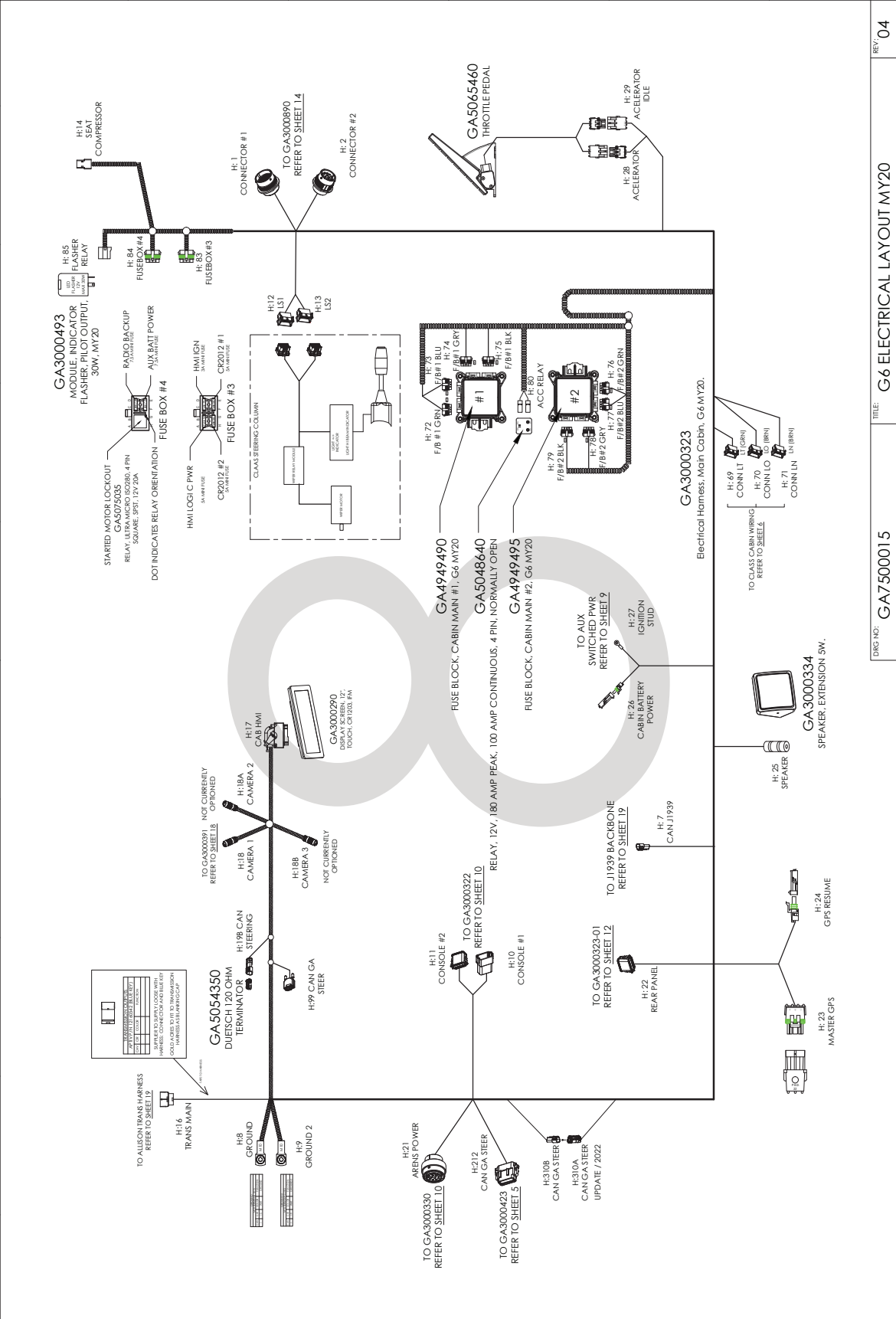
[illegible]

Electrical Schematic - Autosteer



[illegible]

Electrical Schematic - Main Cabin Harness

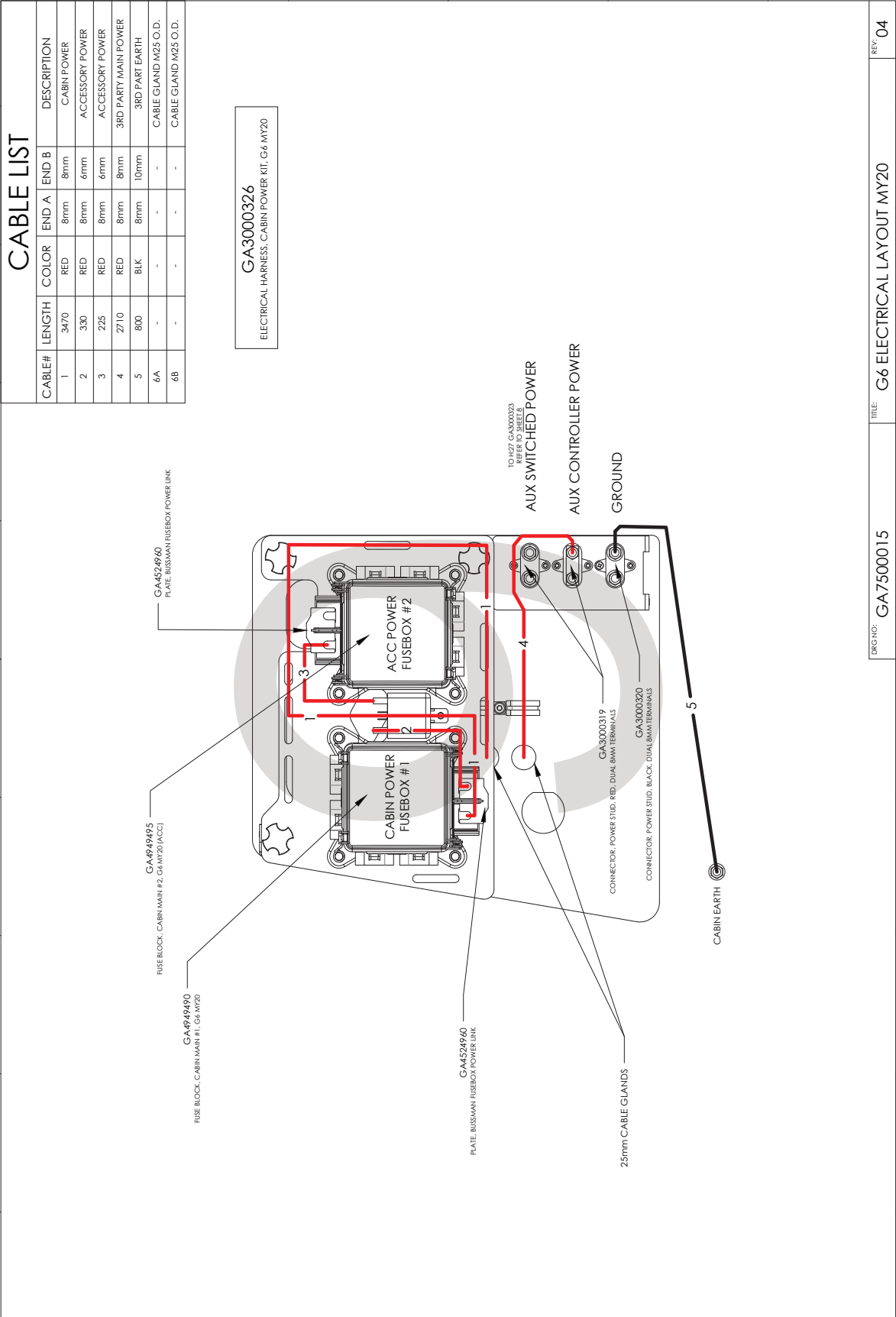


REV: 04

TITLE: G6 ELECTRICAL LAYOUT MY20

DRG NO: GA7500015

Electrical Schematic - Cabin Fuse Blocks



[illegible]

SIDE CONSOLE



The diagram illustrates the electrical layout of the GA3000323-01 sub-harness, divided into two main sections: the front panel and the rear panel.

FRONT OF PANEL:

- GA3000084:** AUXILIARY POWER SOCKET, DUAL USB, NARVA.
- H:89:** CIGARETTE LIGHTER POWER.
- H:88:** IGNITION SWITCH.
- H:40:** USB POWER.
- CLAAS CABIN IGNITION SWITCH:** A circular inset showing the internal wiring of the ignition switch, including terminals LB-21, LB-20, LB-17, LB-15, and LB-19.
- H:82:** CARBON FILTER SWITCH.
- H:81:** 3 PIN POWER.

REAR OF PANEL:

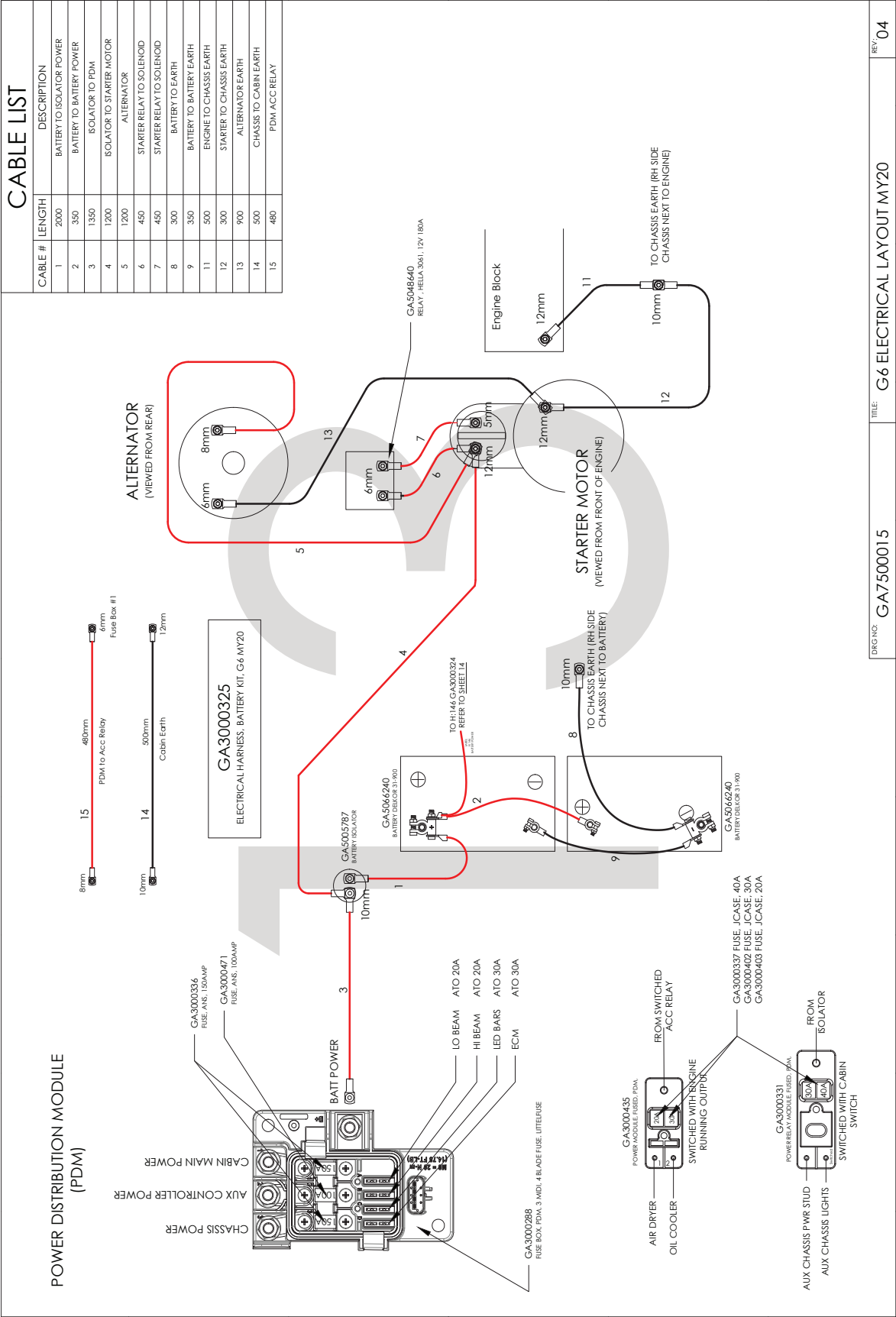
- DIAGNOSTICS PORT:** J1939 / ISO.
- H:86:** ACCESSORIES POWER.
- H:87:** BATTERY POWER.
- PART OF GA3000138:** REFER TO SHEET 3.
- PART OF ALISON:** TRANSDUCER HARNESS TO THE MAIN PANEL. REFER TO SHEET 19.
- PART OF GA3000323 H22:** REFER TO SHEET 8.

SUB HARNESS GA3000323-01:

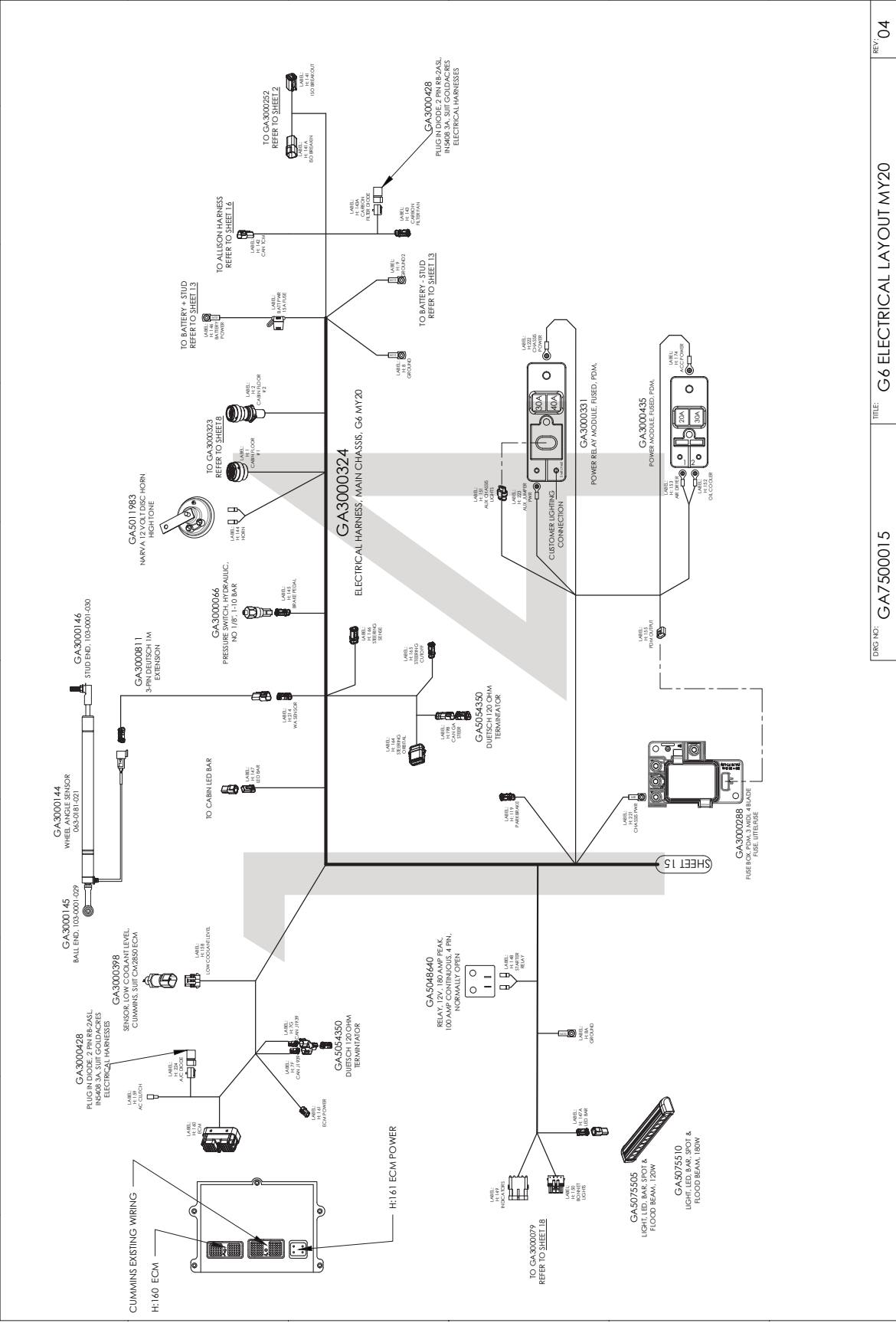
The diagram also shows the connection points for the sub-harness, including:

- LEVEL 1:** 10 PIN.
- LEVEL 2:** 10 PIN.
- LEVEL 3:** 10 PIN.
- LEVEL 4:** 10 PIN.
- LEVEL 5:** 10 PIN.
- LEVEL 6:** 10 PIN.
- LEVEL 7:** 10 PIN.
- LEVEL 8:** 10 PIN.
- LEVEL 9:** 10 PIN.
- LEVEL 10:** 10 PIN.
- LEVEL 11:** 10 PIN.
- LEVEL 12:** 10 PIN.
- LEVEL 13:** 10 PIN.
- LEVEL 14:** 10 PIN.
- LEVEL 15:** 10 PIN.
- LEVEL 16:** 10 PIN.
- LEVEL 17:** 10 PIN.
- LEVEL 18:** 10 PIN.
- LEVEL 19:** 10 PIN.
- LEVEL 20:** 10 PIN.
- LEVEL 21:** 10 PIN.
- LEVEL 22:** 10 PIN.
- LEVEL 23:** 10 PIN.
- LEVEL 24:** 10 PIN.
- LEVEL 25:** 10 PIN.
- LEVEL 26:** 10 PIN.
- LEVEL 27:** 10 PIN.
- LEVEL 28:** 10 PIN.
- LEVEL 29:** 10 PIN.
- LEVEL 30:** 10 PIN.
- LEVEL 31:** 10 PIN.
- LEVEL 32:** 10 PIN.
- LEVEL 33:** 10 PIN.
- LEVEL 34:** 10 PIN.
- LEVEL 35:** 10 PIN.
- LEVEL 36:** 10 PIN.
- LEVEL 37:** 10 PIN.
- LEVEL 38:** 10 PIN.
- LEVEL 39:** 10 PIN.
- LEVEL 40:** 10 PIN.
- LEVEL 41:** 10 PIN.
- LEVEL 42:** 10 PIN.
- LEVEL 43:** 10 PIN.
- LEVEL 44:** 10 PIN.
- LEVEL 45:** 10 PIN.
- LEVEL 46:** 10 PIN.
- LEVEL 47:** 10 PIN.
- LEVEL 48:** 10 PIN.
- LEVEL 49:** 10 PIN.
- LEVEL 50:** 10 PIN.
- LEVEL 51:** 10 PIN.
- LEVEL 52:** 10 PIN.
- LEVEL 53:** 10 PIN.
- LEVEL 54:** 10 PIN.
- LEVEL 55:** 10 PIN.
- LEVEL 56:** 10 PIN.
- LEVEL 57:** 10 PIN.
- LEVEL 58:** 10 PIN.
- LEVEL 59:** 10 PIN.
- LEVEL 60:** 10 PIN.
- LEVEL 61:** 10 PIN.
- LEVEL 62:** 10 PIN.
- LEVEL 63:** 10 PIN.
- LEVEL 64:** 10 PIN.
- LEVEL 65:** 10 PIN.
- LEVEL 66:** 10 PIN.
- LEVEL 67:** 10 PIN.
- LEVEL 68:** 10 PIN.
- LEVEL 69:** 10 PIN.
- LEVEL 70:** 10 PIN.
- LEVEL 71:** 10 PIN.
- LEVEL 72:** 10 PIN.
- LEVEL 73:** 10 PIN.
- LEVEL 74:** 10 PIN.
- LEVEL 75:** 10 PIN.
- LEVEL 76:** 10 PIN.
- LEVEL 77:** 10 PIN.
- LEVEL 78:** 10 PIN.
- LEVEL 79:** 10 PIN.
- LEVEL 80:** 10 PIN.
- LEVEL 81:** 10 PIN.
- LEVEL 82:** 10 PIN.
- LEVEL 83:** 10 PIN.
- LEVEL 84:** 10 PIN.
- LEVEL 85:** 10 PIN.
- LEVEL 86:** 10 PIN.
- LEVEL 87:** 10 PIN.
- LEVEL 88:** 10 PIN.
- LEVEL 89:** 10 PIN.
- LEVEL 90:** 10 PIN.
- LEVEL 91:** 10 PIN.
- LEVEL 92:** 10 PIN.
- LEVEL 93:** 10 PIN.
- LEVEL 94:** 10 PIN.
- LEVEL 95:** 10 PIN.
- LEVEL 96:** 10 PIN.
- LEVEL 97:** 10 PIN.
- LEVEL 98:** 10 PIN.
- LEVEL 99:** 10 PIN.
- LEVEL 100:** 10 PIN.

Electrical Schematic - Power Distribution Layout

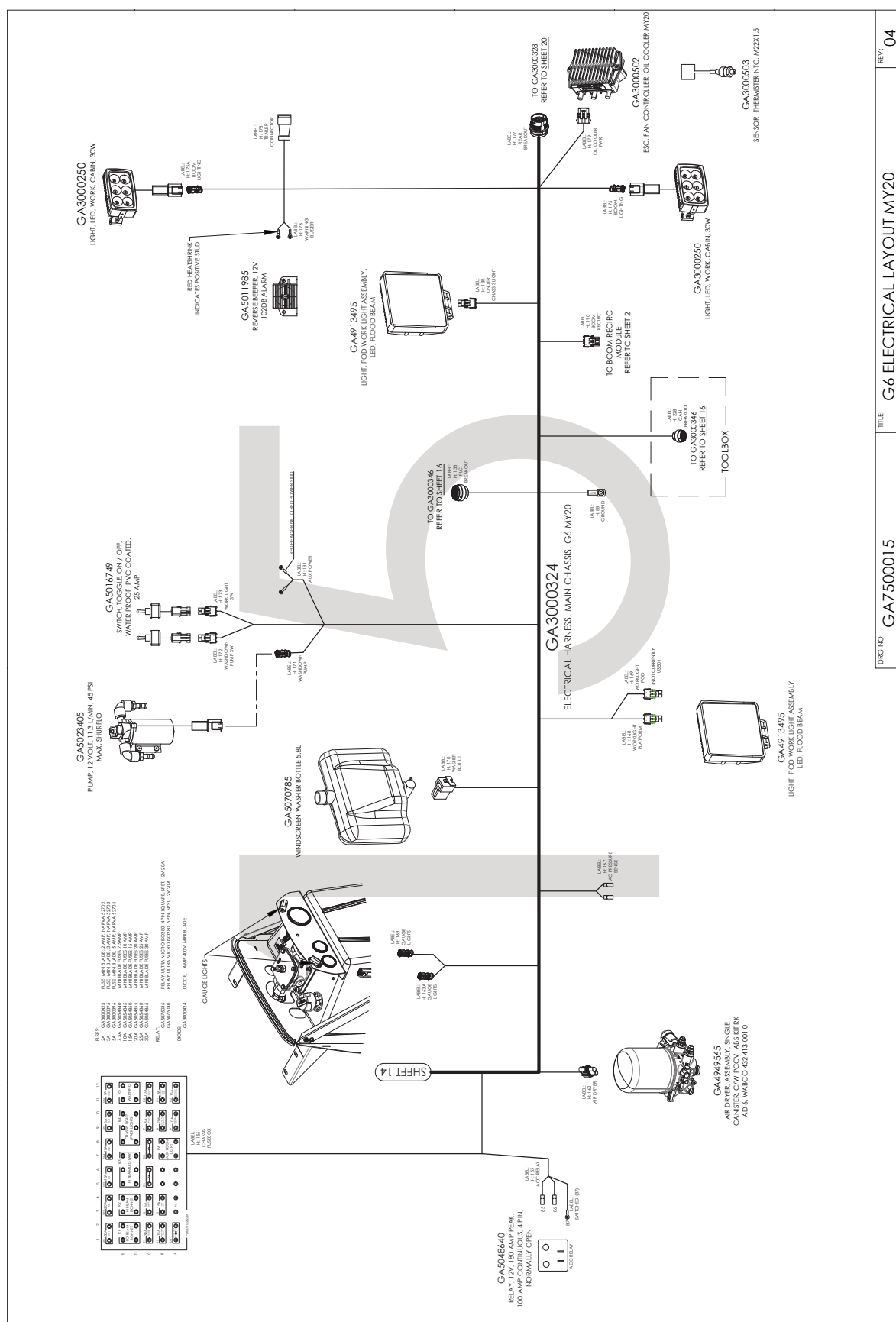


Electrical Schematic - Main Chassis



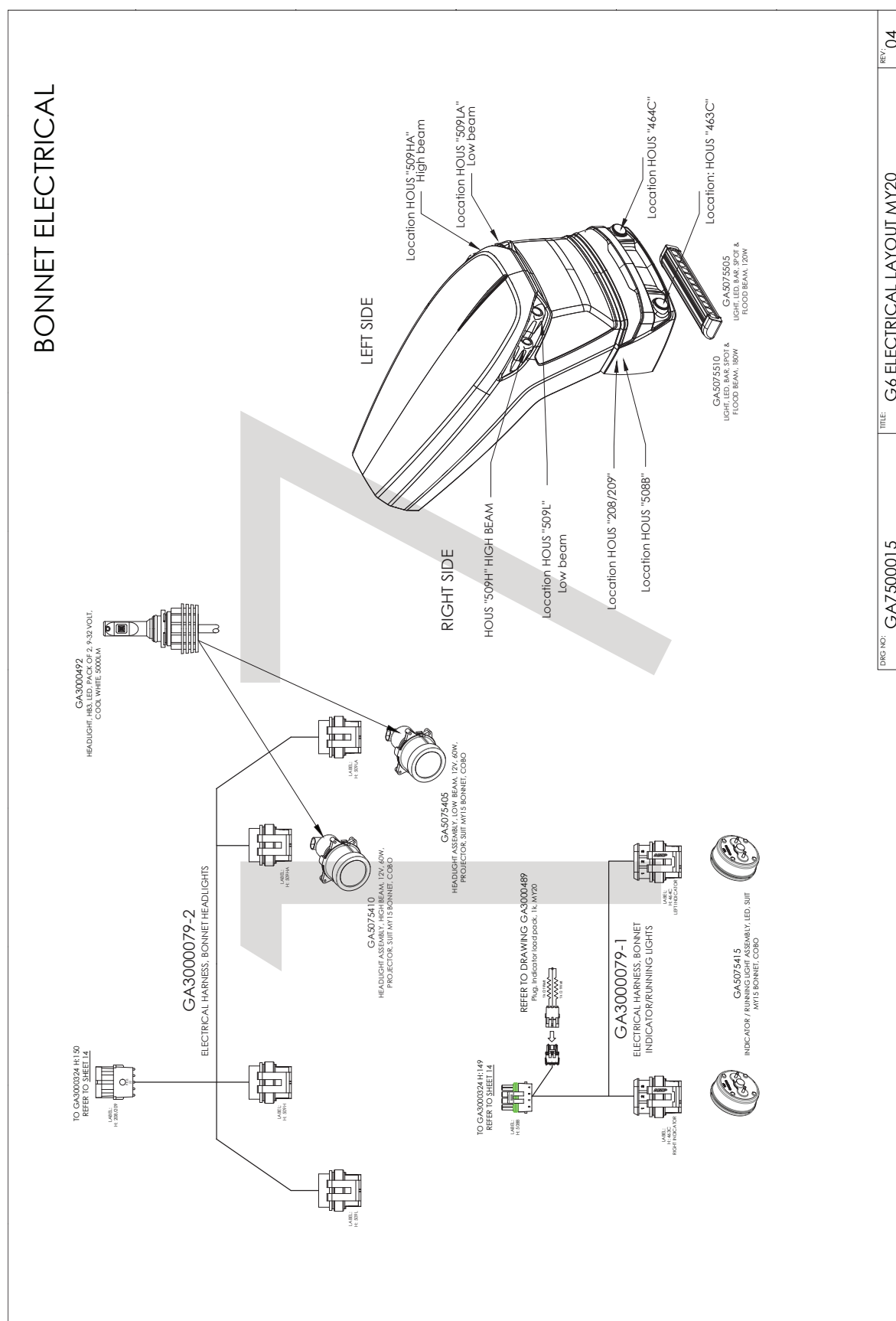
Continue Over Page

Electrical Schematic - Main Chassis

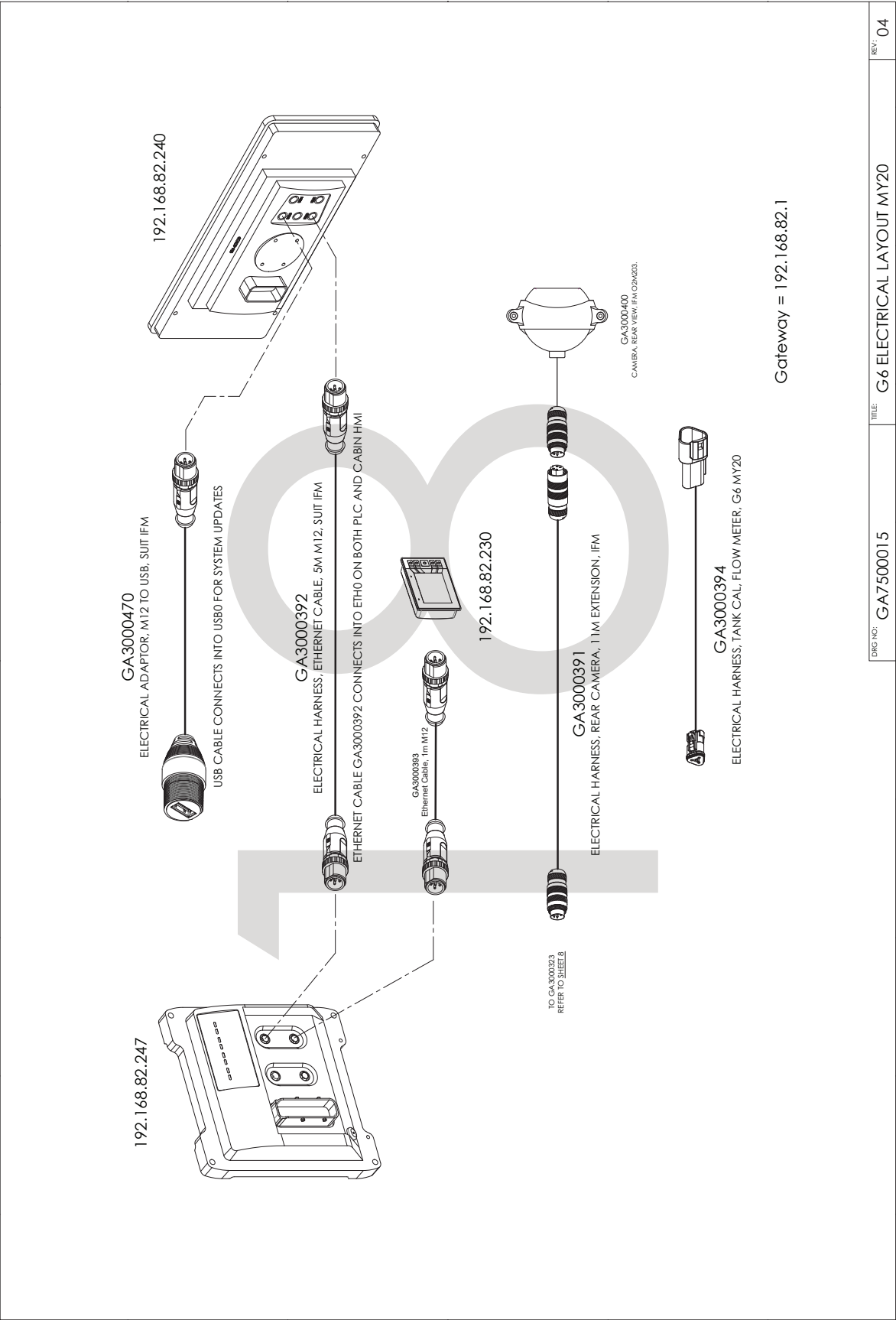


[illegible]

Electrical Schematic - Bonnet Electrical

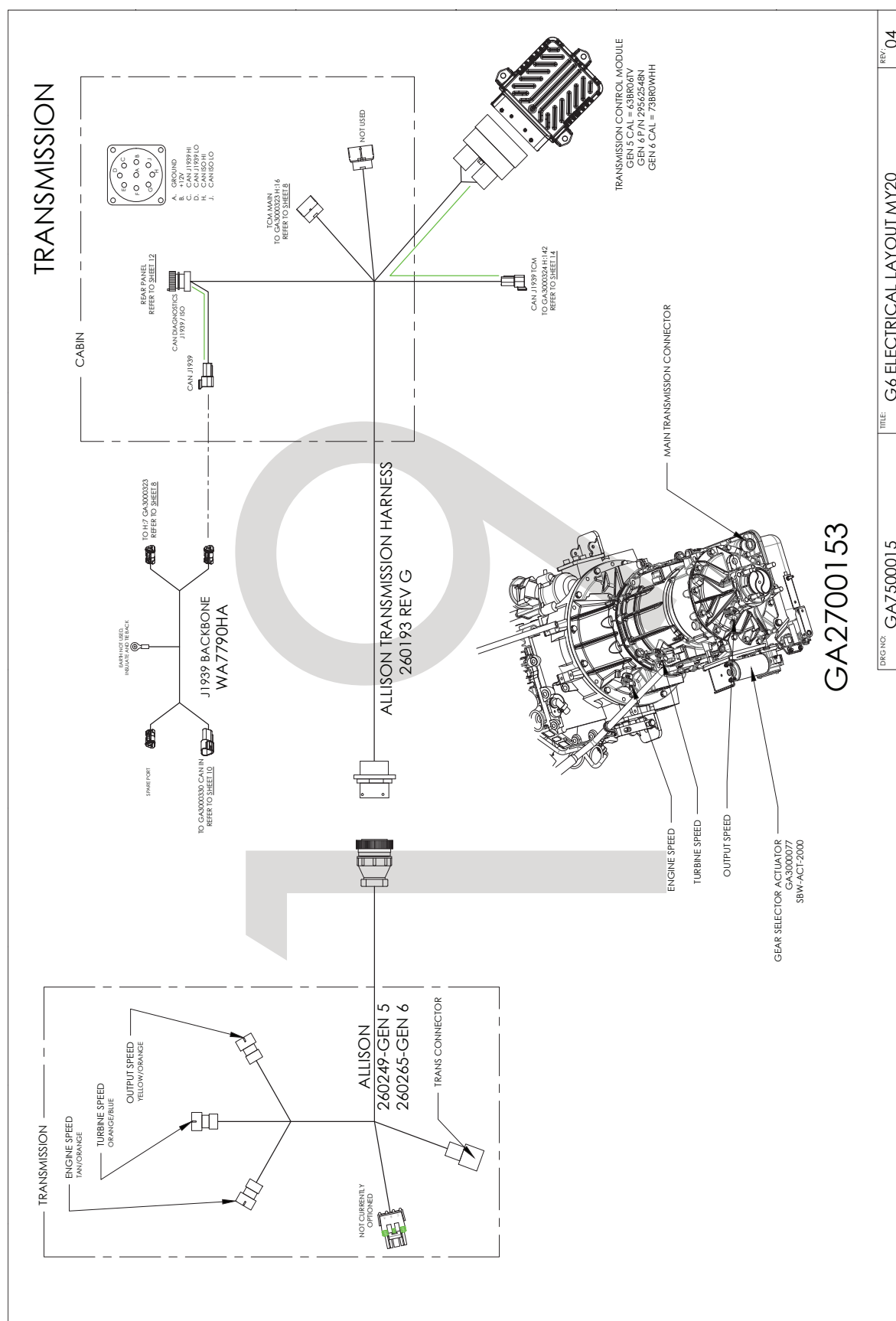


Electrical Schematic - Console & PLC Harnesses

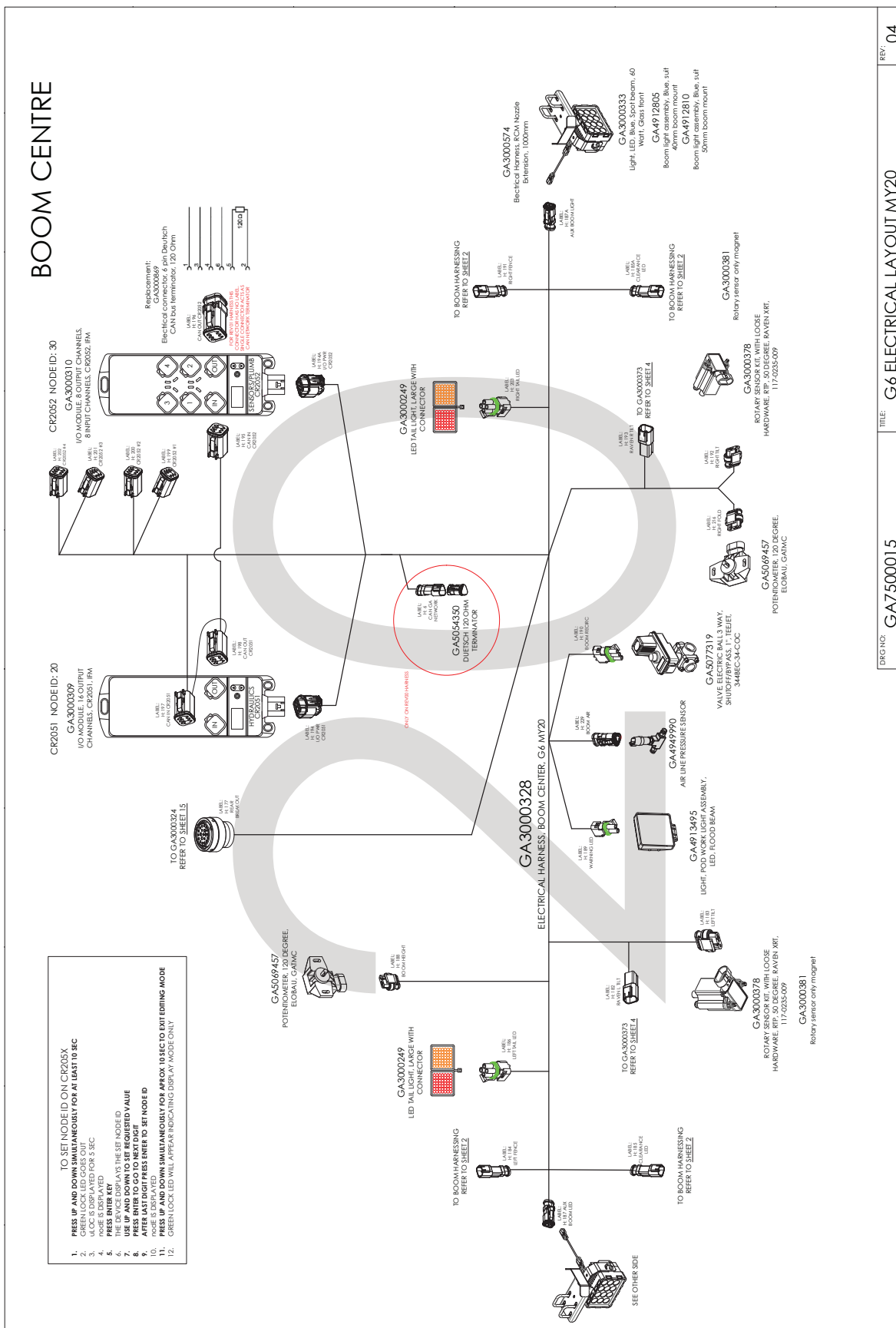


DWG NO:	GA7500015	TITLE:	G6 ELECTRICAL LAYOUT MY20	REV:	04
---------	-----------	--------	---------------------------	------	----

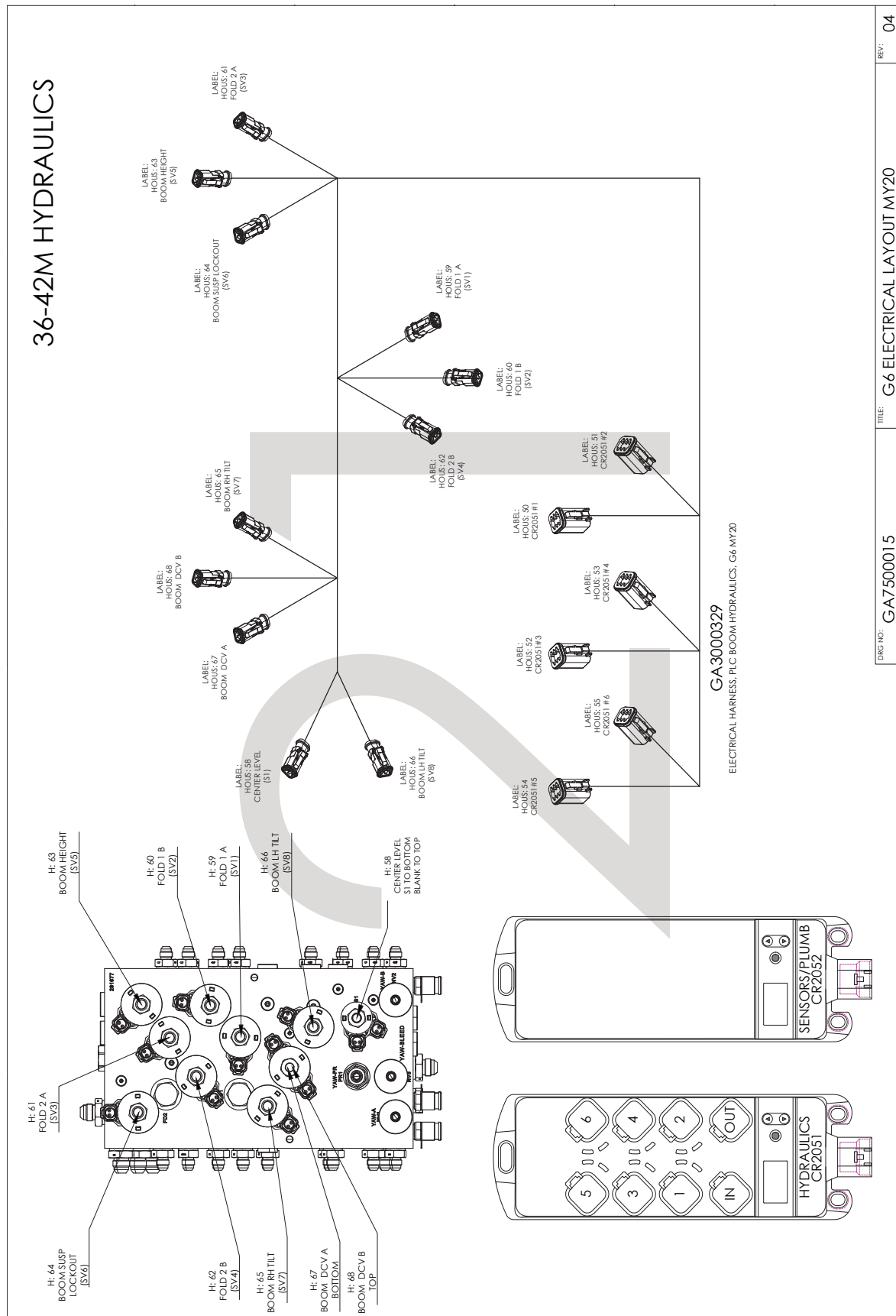
Electrical Schematic - Transmission



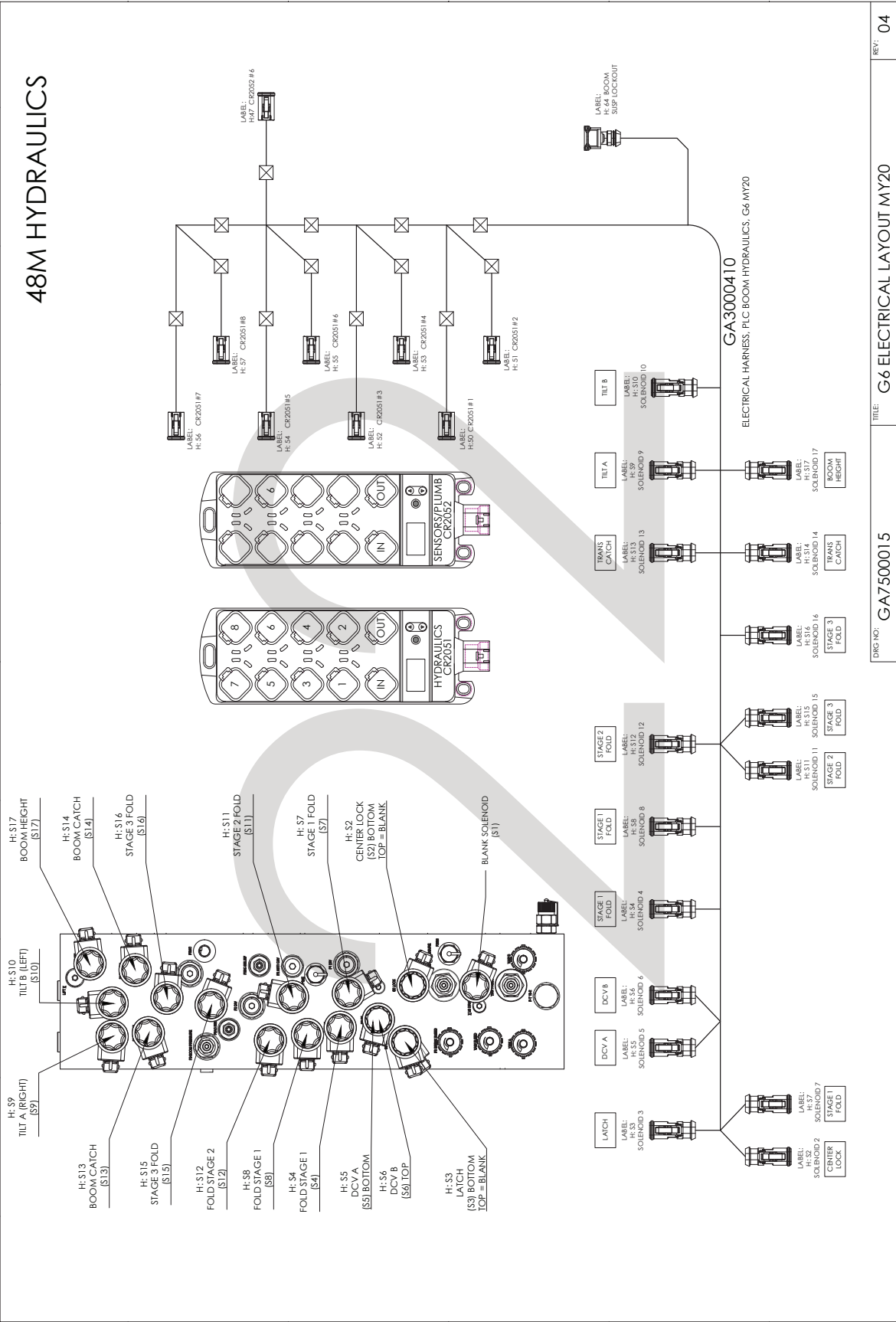
Electrical Schematic - Boom Centre



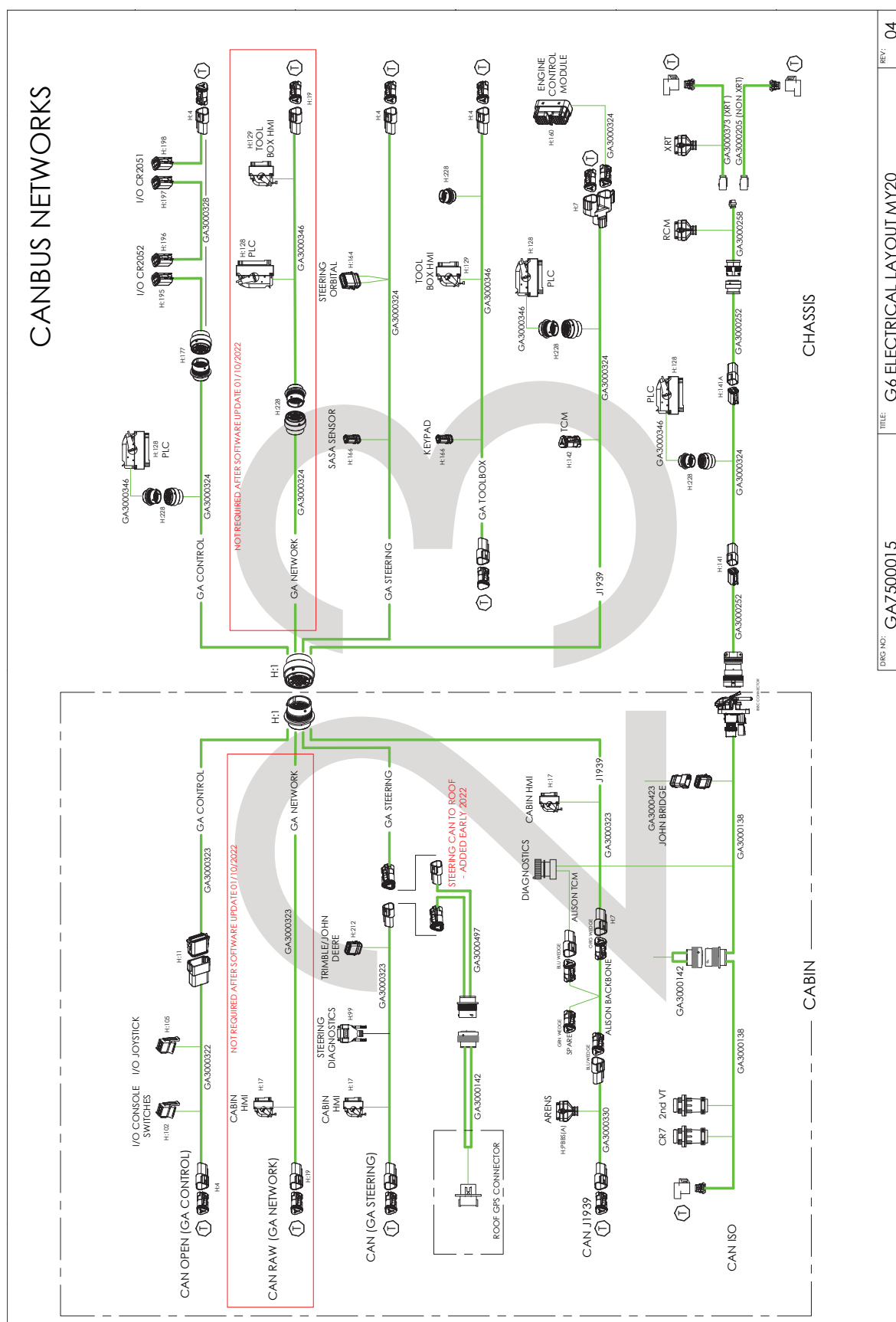
Electrical Schematic - Boom Hydraulics - 36-42m



Electrical Schematic - Boom Hydraulics - 48m



Electrical Schematic - CANBUS Networks



Legend:
 — CAN LINES
 - - - ETHERNET LINE

Components and Connections:

- CUMMINS ECM** (ID: 00) connected to **J-1939** (T).
- ECM / TCM ISO BUS DIAGNOSTICS** connected to **J-1939** (T).
- ALLISON TCM** (ID: 03) connected to **J-1939** (T).
- CABIN JOYSTICK I/O MODULE** (CR2012) connected to **CAN OPEN** (T).
- CABIN CONSOLE I/O MODULE** (CR2012) connected to **CAN OPEN** (T).
- BOOM I/O MODULE** (CR2051) (ID: 20) connected to **CAN GA CONTROL** (T).
- BOOM OUTPUT MODULE** (CR2052) (ID: 30) connected to **CAN GA CONTROL** (T).
- CHASSIS PLC** (ID: 12) connected to **J-1939** (T) and **CAN GA NETWORK** (T).
- CHASSIS HMI** (ID: 12) connected to **CAN GA NETWORK** (T).
- CHASSIS REM MODULE** (ID: 0x98) connected to **CAN ISO** (T).
- RATE CONTROL MODULE** (ID: 0x81) connected to **CAN ISO** (T).
- XRT REM MODULE** (ID: 0x90) connected to **CAN ISO** (T).
- XRT ABM** (ID: 0x90) connected to **CAN ISO** (T).
- RADAR #1** connected to **CAN GA NETWORK** (T).
- RADAR #2** connected to **CAN GA NETWORK** (T).
- RADAR #3** connected to **CAN GA NETWORK** (T).
- STEERING GPS RECEIVER (ON TOP OF CABIN ROOF)** (ID: 0x51 - GA RCM, ID: 0x5C - GA XRT) connected to **CAN ISO** (T).
- STEERING ORBITAL** (ID: 86) connected to **CAN GA NETWORK** (T).
- AUTO STEER CONTROLLER / STEERING BRIDGE** (ID: 16 AGRA GPS, ID: 28 TRIMBLE GPS) connected to **CAN STEERING** (T).
- PIED-OLS SOURCE ADDRESS** (Mod ID: 19 0x13, Safety ID: 90 0x5A) connected to **CAN STEERING** (T).
- SASA SENSOR** (ID: 77 0x4D) connected to **CAN STEERING** (T).
- UNIVERSAL TERMINAL VT #1** (CR7 ID: 0x26) connected to **CAN ISO** (T).
- UNIVERSAL TERMINAL VT #2** connected to **CAN ISO** (T).

Network IDs:
 192.168.82.240
 192.168.82.247
 192.168.82.230

Notes:
 3 RADARS DRAWN UP TO 7 CAN BE USED
 MUST HAVE ODD NUMBER OF SENSORS

Legend:
 — CAN LINES
 - - - ETHERNET LINE

DRG NO: GA750001.5
TITLE: G6 ELECTRICAL LAYOUT MY20
REV: 04

G6 Crop Cruiser Parts Manual MY20 - REV02

Electrical Schematic - Electrical Harnesses

G6 MY20 BASE		JOHN DEERE GA3000423 GA3000148 GA3000416	ELECTRICAL HARNESS, AUTO STEER, JD, MY20, G6. ELECTRICAL HARNESS, JD STARFIRE ROOF ADAPTER, MY17, RAVEN NODE, CAN BRIDGE SUIT GOLDACRES TO JOHN DEERE STEERING, AGRA-GPS
GA3000322	ELECTRICAL HARNESS, CONSOLE, G6 MY20		
GA3000323	ELECTRICAL HARNESS, MAIN CABIN, G6 MY20		
GA3000324	ELECTRICAL HARNESS, MAIN CHASSIS, G6 MY20		
GA3000325	ELECTRICAL HARNESS, BATTERY KIT, G6 MY20	TRIMBLE GA3000152 GA3000062	ELECTRICAL HARNESS, TRIMBLE 372 ANTENNA ROOF ADAPTER, MY17, RAVEN ELECTRICAL HARNESS, RAVEN ISO TO TRIMBLE FMX/FM1000 DISPLAY
GA3000326	ELECTRICAL HARNESS, CABIN POWER KIT, G6 MY20		
GA3000327	ELECTRICAL HARNESS, PLUMBING, G6 MY20		
GA3000328	ELECTRICAL HARNESS, BOOM CENTER, G6 MY20		
GA3000329	ELECTRICAL HARNESS, PLC BOOM HYDRAULICS, G6 MY20	DFO GA5060062	ELECTRICAL HARNESS, COOLER CABIN FRIDGE
GA3000330	ELECTRICAL HARNESS, ARENS PBS, G6 MY20		
GA3000345	ELECTRICAL HARNESS, CHASSIS HYDRAULICS G6 MY20		
GA3000346	ELECTRICAL HARNESS, CHASSIS PLC, G6 MY20		
GA3000391	ELECTRICAL HARNESS, REAR CAMERA, 11M EXTENSION IFM	TERMINATOR, CAN, ACTIVE, SUIT ISO BUS, RAVEN	ELECTRICAL HARNESS, MAIN ISO SIDE CONSOLE ARMREST, MY17, RAVEN
GA3000392	ELECTRICAL HARNESS, ETHERNET CABLE, 5M M12, SUIT IFM		
GA3000394	ELECTRICAL HARNESS, TANK CAL, FLOW METER, G6 MY20		
GA3000410	ELECTRICAL HARNESS, PLC BOOM HYDRAULICS 48M, G6, MY20		
GA3000144	SENSOR, LINEAR NON CONTACT, STEERING, 250MM, RAVEN	ELECTRICAL HARNESS, SUIT CR7 ISO VT BASIC, 1157300092, RAVEN	ELECTRICAL HARNESS, SUIT CR7 ISO VT BASIC, 1157300092, RAVEN
GA3000145	ROSE END, M10 SUIT GA3000144, RAVEN		
GA3000146	STUD END, M10 SUIT GA3000144, RAVEN		
RCM	ELECTRICAL HARNESS, ALLISON TRANSMISSION	ELECTRICAL HARNESS, RCM, 16 SECTION 3 TIER, BOOM CENTER	ELECTRICAL HARNESS, RCM, 16 SECTION 3 TIER, BOOM CENTER
	ELECTRICAL HARNESS CUMMINS SENSORS		
	TERMINATOR, CAN, ACTIVE, SUIT ISO BUS, RAVEN		
	ELECTRICAL HARNESS, MAIN ISO SIDE CONSOLE ARMREST, MY17, RAVEN		
GA3000138	ELECTRICAL HARNESS, ROOF CABLE EXTENSION, MY17, RAVEN	ELECTRICAL HARNESS, RCM, 16 SECTION 3 TIER, BOOM CENTER	ELECTRICAL HARNESS, RCM, 16 SECTION 3 TIER, BOOM CENTER
GA3000142	ELECTRICAL HARNESS, SUIT CR7 ISO VT BASIC, 1157300092, RAVEN		
GA3000198	ELECTRICAL HARNESS, SUIT CR7 ISO VT BASIC, 1157300092, RAVEN		
GA3000252	ELECTRICAL HARNESS, RCM, G6 CHASSIS		
GA3000258	ELECTRICAL HARNESS, RCM, 16 SECTION 3 TIER, BOOM CENTER	ELECTRICAL HARNESS, RCM, 16 SECTION 3 TIER, BOOM CENTER	ELECTRICAL HARNESS, RCM, 16 SECTION 3 TIER, BOOM CENTER
GA3000264	ELECTRICAL HARNESS, RCM, 16 SECTION 3 TIER, BOOM CENTER		
GA3000433	ELECTRICAL HARNESS, RCM, SECTION CONTROL, INNER BOOM, 36M, G6 MY20		
GA3000474	ELECTRICAL HARNESS, RCM, SECTION CONTROL, OUTER BOOM, 36M, G6 MY20		
GA3000475	ELECTRICAL HARNESS, RCM, SECTION CONTROL, INNER BOOM, 42M, G6 MY20	ELECTRICAL HARNESS, BOOM INNER 36-48M, 16 SECTION, 2 TIER.	ELECTRICAL HARNESS, BOOM OUTER 36-48M, 16 SECTION, 2 TIER.
GA3000476	ELECTRICAL HARNESS, RCM, SECTION CONTROL, OUTER BOOM, 42M, G6 MY20		
GA3000477	ELECTRICAL HARNESS, BOOM INNER 36-48M, 16 SECTION, 2 TIER.		
GA3000259	ELECTRICAL HARNESS, BOOM OUTER 36-48M, 16 SECTION, 2 TIER.		
GA3000569	ELECTRICAL HARNESS, BOOM INNER 36-48M, 16 SECTION, 1 TIER.	ECU, RAVEN XRT, AUTOBOOM, ABM, WITH AUTOBOOM UNLOCK 063-0174-090	ECU, ISOBUS, RAVEN EXPANSION MODULE, REM, XRT 063-0173-965
GA3000260	ELECTRICAL HARNESS, BOOM INNER 36-48M, 16 SECTION, 1 TIER.		
GA3000270	ELECTRICAL HARNESS, BOOM OUTER 36-48M, 16 SECTION, 1 TIER.		
XRT	ELECTRICAL HARNESS, BOOM OUTER 36-48M, 16 SECTION, 1 TIER.		
	ECU, RAVEN XRT, AUTOBOOM, ABM, WITH AUTOBOOM UNLOCK 063-0174-090	ELECTRICAL HARNESS, RAVEN XRT MAIN, GOLDACRES SPEC, 115-0235-141	ELECTRICAL HARNESS, RAVEN XRT MAIN, GOLDACRES SPEC, 115-0235-141
	ECU, ISOBUS, RAVEN EXPANSION MODULE, REM, XRT 063-0173-965		
	ELECTRICAL HARNESS, RAVEN XRT MAIN, GOLDACRES SPEC, 115-0235-141		
	ELECTRICAL HARNESS, RAVEN XRT PRIMARY BOOM, 40', 115-0235-024		
	ELECTRICAL HARNESS, RAVEN XRT SECONDARY BOOM, 35', WITH TERMINATOR, 115-0235-029		
	ROTARY SENSOR KIT, WITH LOOSE HARDWARE, RTP, 50 DEGREE, RAVEN XRT, 117-0235-009		
	DAMPER, MR, RAVEN XRT, VARIABLE, MAGNETO-RHEOLOGICAL, 6" STROKE, 314-1000-001		
	SENSOR, RAVEN XRT BOOM HEIGHT RADAR, 063-0173-962		
	ELECTRICAL HARNESS, RAVEN XRT PRIMARY BOOM, 35', 115-0235-023		
	ELECTRICAL HARNESS, RAVEN XRT SECONDARY BOOM, 30', 115-0235-028		
	ELECTRICAL HARNESS, RAVEN XRT SECONDARY BOOM, 30', 115-0235-028		
	ELECTRICAL HARNESS, RAVEN XRT SECONDARY BOOM, 30', 115-0235-028		