

## **APPENDIX A D55S ELECTRICAL INFORMATION**

**LT70 Super Hydraulic (US only)**

**Rev. A5.17+**

# Table of contents

WM\_TableOfContents

Page	Page type	Page description	Date	Edited by
/B1	Table of contents	Table of contents	2/21/2025	JRF
/B2	Table of contents	Table of contents	2/21/2025	JRF
/C1	Overview	Revision History	4/12/2022	JRF
/D1	Structure identifier overview	Structure identifier overview	2/21/2025	SDC
+HD_CTL/1	Schematic multi-line	Power/Control Pg 1	2/21/2025	SDC
+HD_CTL/2	Schematic multi-line	Control Pg 2	2/21/2025	SDC
+HD_CTL/3	Schematic multi-line	Control Pg 3	2/21/2025	SDC
+HD_CTL/4	Schematic multi-line	ECU1 X1 Pg 1	4/2/2024	JRF
+HD_CTL/5	Schematic multi-line	ECU1 X1 Pg 2	2/21/2025	SDC
+HD_CTL/6	Schematic multi-line	ECU1 X2 Pg 1	5/1/2024	JRF
+HD_CTL/7	Schematic multi-line	ECU1 X2 Pg 2	4/1/2024	JRF
+HD_CTL/8	Schematic multi-line	ECU1 X3 Pg 1	2/21/2025	SDC
+HD_CTL/9	Schematic multi-line	ECU1 X3 Pg 2	4/12/2022	JRF
+HD_CTL/10	Schematic multi-line	ECU1 Pg 1	2/21/2025	SDC
+BD_CTL/11	Schematic multi-line	ECU2 X1 Pg 1	5/1/2024	JRF
+BD_CTL/12	Schematic multi-line	ECU2 X1 Pg 2	5/1/2024	JRF
+BD_CTL/13	Schematic multi-line	ECU2 X2 Pg 1	5/1/2024	JRF
+BD_CTL/14	Schematic multi-line	ECU2 X2 Pg 2	5/1/2024	JRF
+BD_CTL/15	Schematic multi-line	ECU2 X3 Pg 1	4/12/2022	JRF
+BD_CTL/16	Schematic multi-line	ECU2 X3 Pg 2	4/12/2022	JRF
+BD_CTL/17	Schematic multi-line	ECU2 X4	2/21/2025	SDC
+OP_CTL/18	Schematic multi-line	ECU3 X1 Pg 1	2/21/2025	SDC
+OP_CTL/19	Schematic multi-line	ECU3 X1 Pg 2	4/12/2022	JRF
+OP_CTL/20	Schematic multi-line	ECU3 X2 Pg 1	2/21/2025	SDC
+OP_CTL/21	Schematic multi-line	ECU3 X2 Pg 2	2/21/2025	SDC
+OP_CTL/22	Schematic multi-line	ECU3 X3 Pg 1	4/12/2022	JRF
+OP_CTL/23	Schematic multi-line	ECU3 X3 Pg 2	4/12/2022	JRF
+OP_CTL/24	Schematic multi-line	ECU3 X4	2/21/2025	SDC
+OP_CTL/25	Schematic multi-line	HMI Pg 1	2/21/2025	SDC
+OP_CTL/26	Schematic multi-line	HMI Pg 2	4/12/2022	JRF
+OP_CTL/27	Schematic multi-line	HMI Pg 3	2/21/2025	SDC
+ENG/28	Schematic multi-line	Harness Pg 2	4/12/2022	JRF
+ENG/29	Schematic multi-line	Harness Pg 3	4/12/2022	JRF
+ENG/30	Schematic multi-line	Harness Pg 4	5/2/2024	JRF
+Docs/E1	Parts list	Parts list	2/21/2025	SDC
+Docs/E2	Parts list	Parts list	2/21/2025	SDC
+Docs/F1	Terminal line-up diagram	Terminal line-up diagram	2/21/2025	SDC
+Docs/F2	Terminal line-up diagram	Terminal line-up diagram	2/21/2025	SDC



# Revision History

Date	Revision	Revision Record	Drawn By	Checked By
1/19/2015	A1.00	Initial Release	JRF	SDC
3/30/2015	A2.00	Combined Flow To Head Manifold	JRF	SDC
5/5/2015	A3.00	Setworks Tuning Changes	JRF	SDC
9/9/2015	A4.00	Updates For Feed Motor Pressure Spikes	JRF	SDC
10/1/2015	A4.01	Bed ECU Change	JRF	SDC
12/14/2015	A4.04	Debarker/Laser Change	JRF	SDC
3/29/2016	A4.06	Feed Cross Port Relief/Debarker Breaker Change/Software Updates	JRF	SDC
5/3/2016	A4.07	Setworks Update	JRF	SDC
8/23/2016	A4.10	Joystick Change	JRF	SDC
8/24/2016	A4.11	Debarker In/Out Motor Change	JRF	SDC
9/1/2017	A5.04	Tier 4 Diesel Engine	JRF	SDC
9/15/2017	A5.05	Debarker Breaker Change	JRF	SDC
2/17/2021	A5.17	ECU's changed from 2820 to 2820A/Update HMI to current software	JRF	SDC



**Wood-Mizer®**

Project Description: LT70 Super Hydraulic Mill

Revision: A5.20 Pg Desc: Revision History


Mounting Location: /C1 Type: Overview

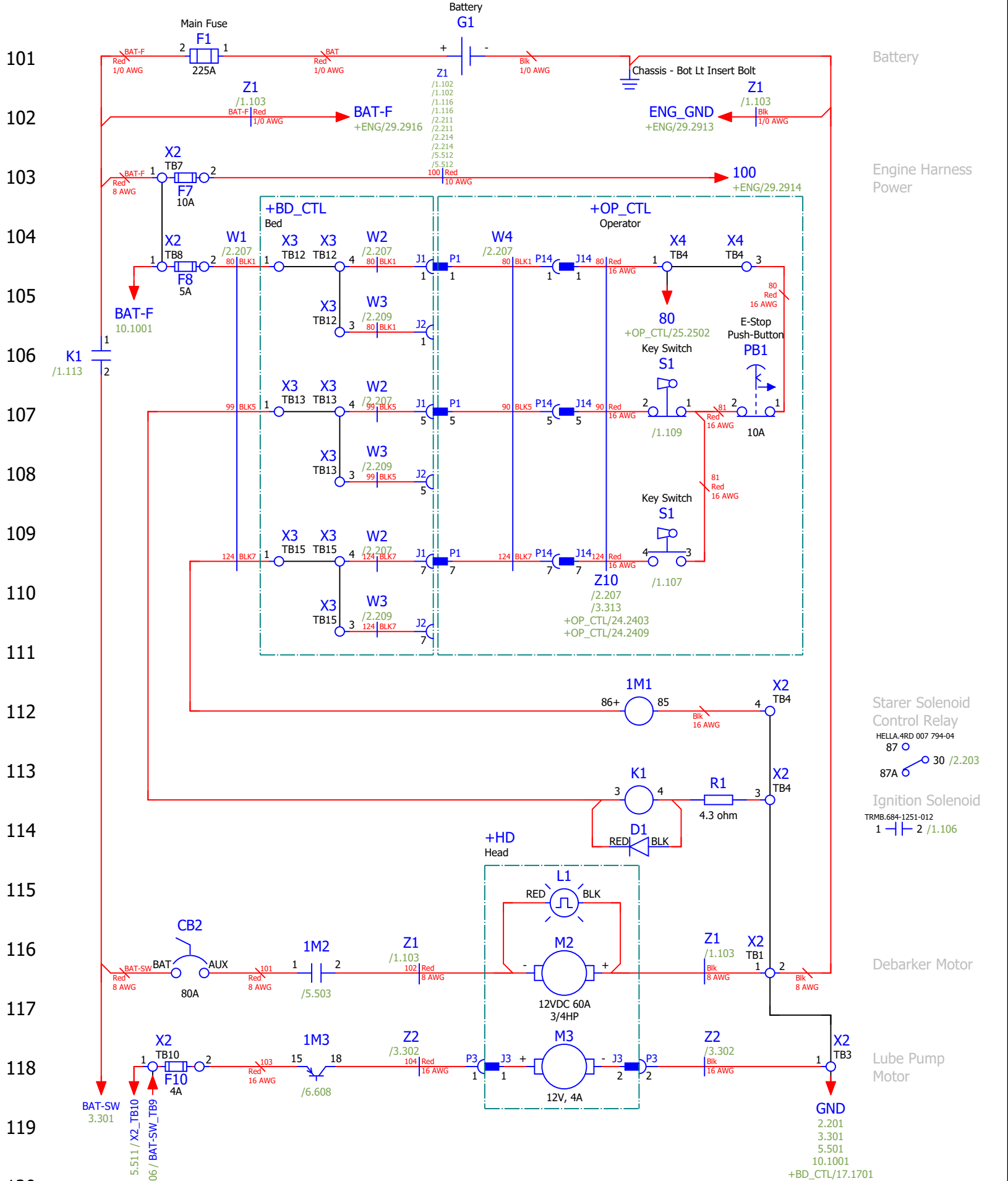
Prev. pg: B2 Page: C1 Next pg: D1 Total Pgs: 50

# Structure identifier overview

WM\_Structurer\_Identifier\_Overview

Full designation	Labeling	Structure description
+HD_CTL	Location designation	Head Control
+BD_CTL	Location designation	Bed Control
+OP_CTL	Location designation	Operator Control
+ENG	Location designation	Engine
+HD	Location designation	Head
+Docs	Location designation	Documentation

		<b>Wood-Mizer®</b>					
Project Description: LT70 Super Hydraulic Mill							
Revision:	A5.20	Pg Desc: Structure identifier overview					
Mounting Location:	/D1	Type: Structure identifier overview					
Prev. pg:	C1	Page:	D1	Next pg:	+HD_CTL/1	Total Pgs:	50



Battery


Engine Harness Power

Starter Solenoid Control Relay

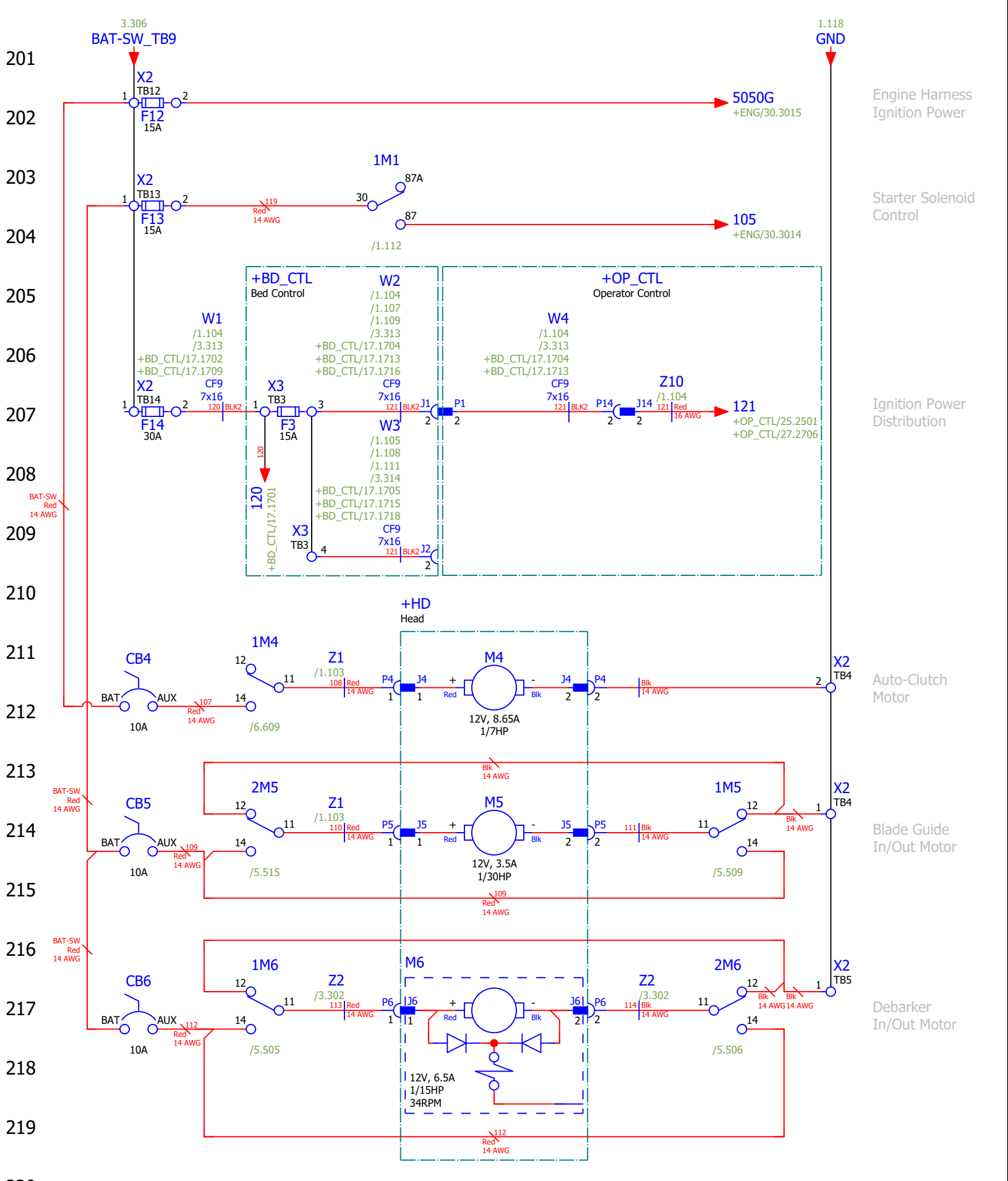
Ignition Solenoid

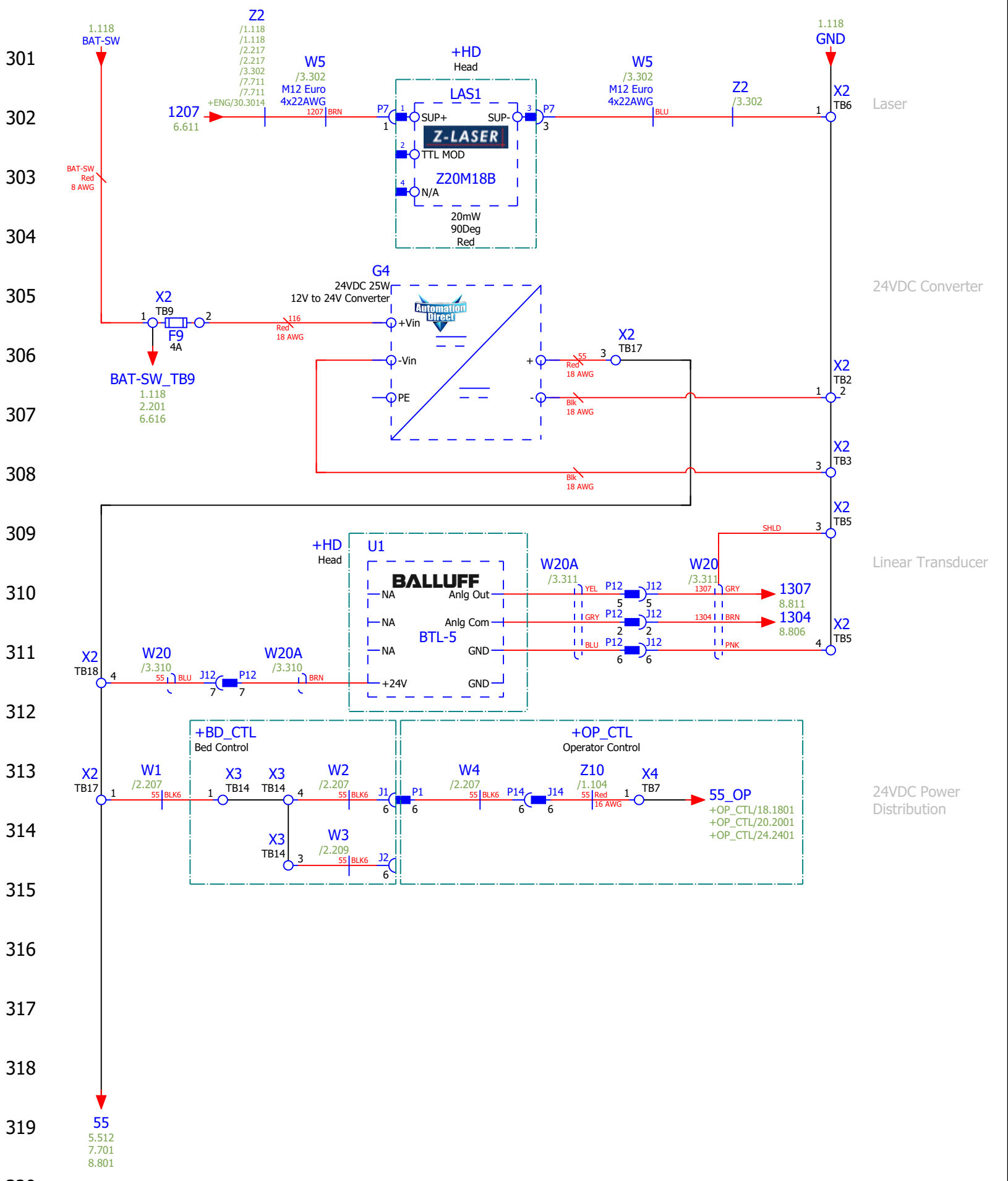
Debarker Motor

Lube Pump Motor

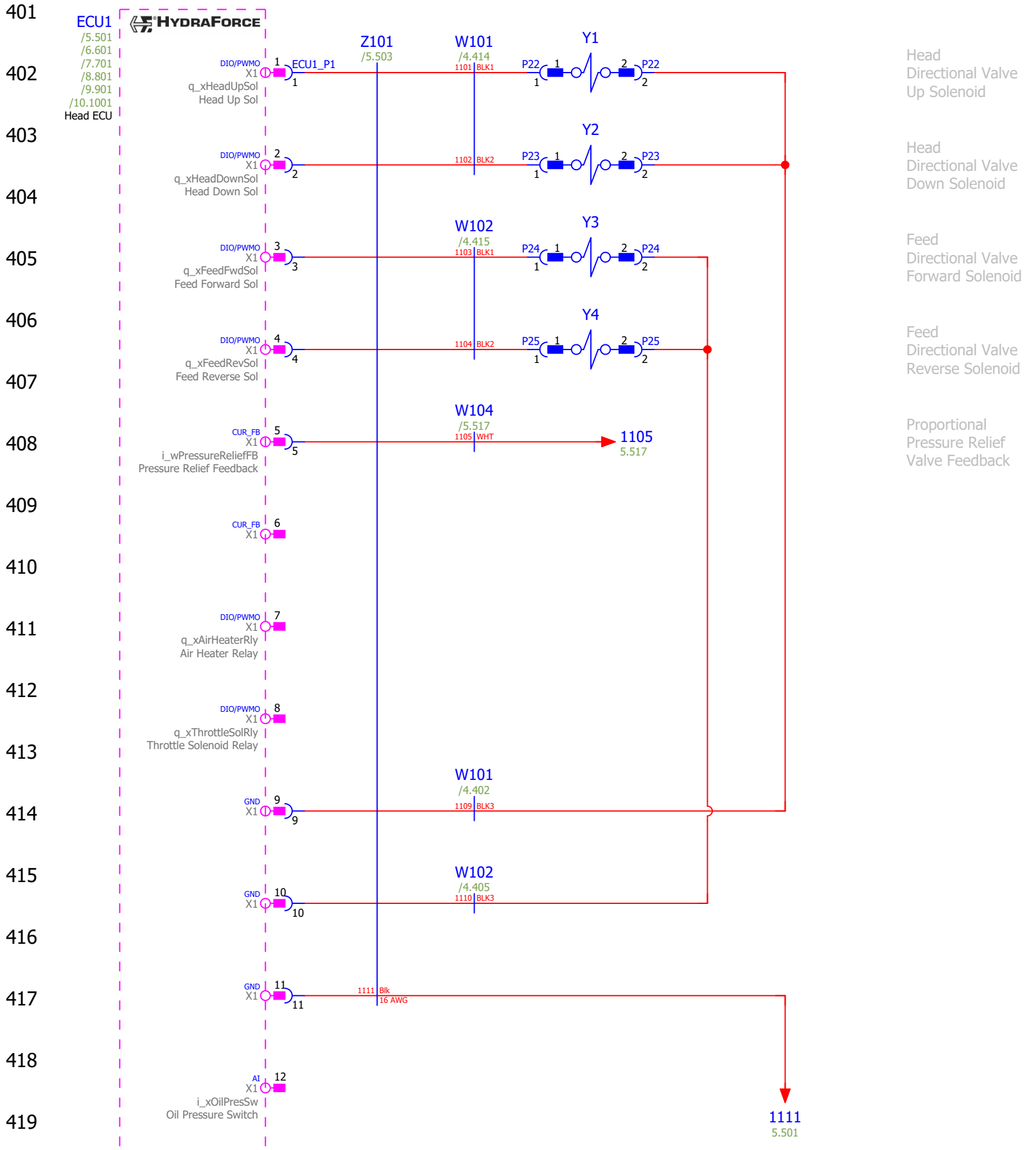


<b>Project Description: LT70 Super Hydraulic Mill</b>			
Revision:	A5.20	Pg Desc: Power/Control Pg 1	
Mounting Location: +HD_CTL			Type: Schematic multi-line
Prev. pg: +/D1	Page: +HD_CTL/1	Next pg: 2	Total Pgs: 50









401  
402  
403  
404  
405  
406  
407  
408  
409  
410  
411  
412  
413  
414  
415  
416  
417  
418  
419  
420  
421

Head  
Directional Valve  
Up Solenoid

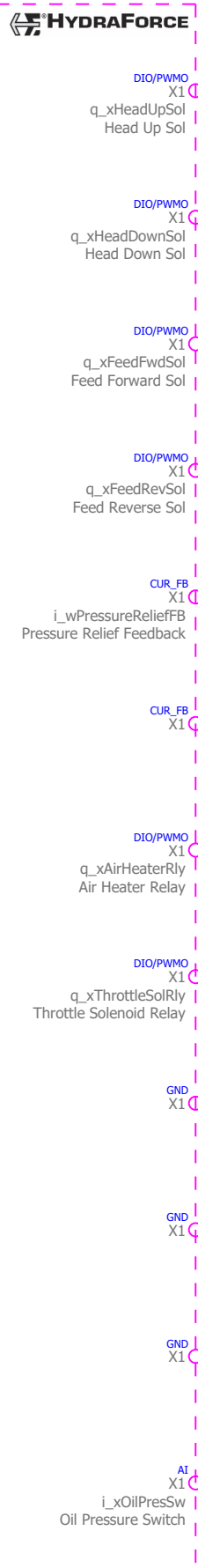
Head  
Directional Valve  
Down Solenoid

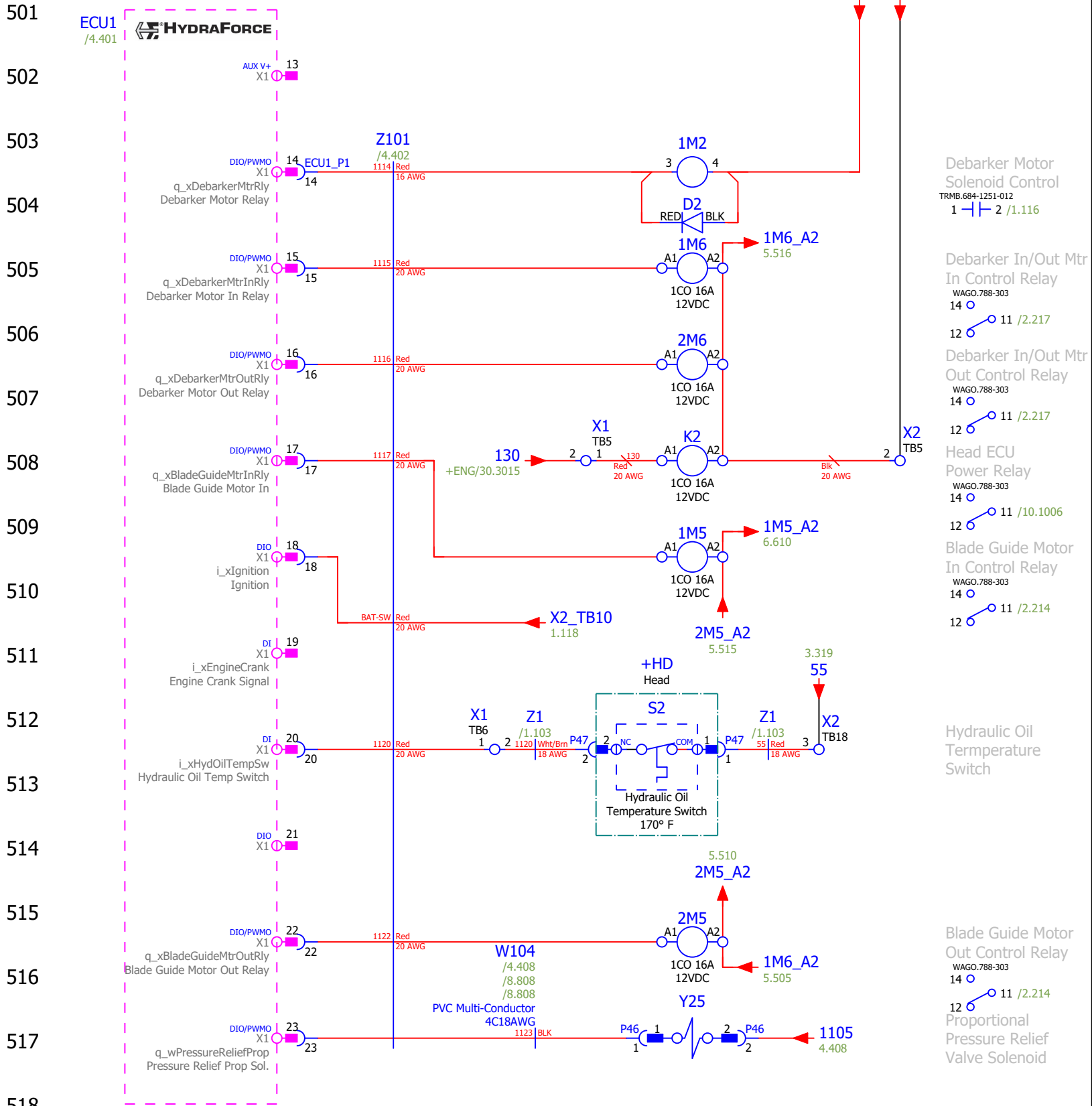
Feed  
Directional Valve  
Forward Solenoid

Feed  
Directional Valve  
Reverse Solenoid

Proportional  
Pressure Relief  
Valve Feedback

ECU1  
/5.501  
/6.601  
/7.701  
/8.801  
/9.901  
/10.1001  
Head ECU





Debarker Motor Solenoid Control  
TRMB.684-1251-012  
1 1.116

Debarker In/Out Mtr In Control Relay  
WAGO.788-303  
14

Debarker In/Out Mtr Out Control Relay  
WAGO.788-303  
14

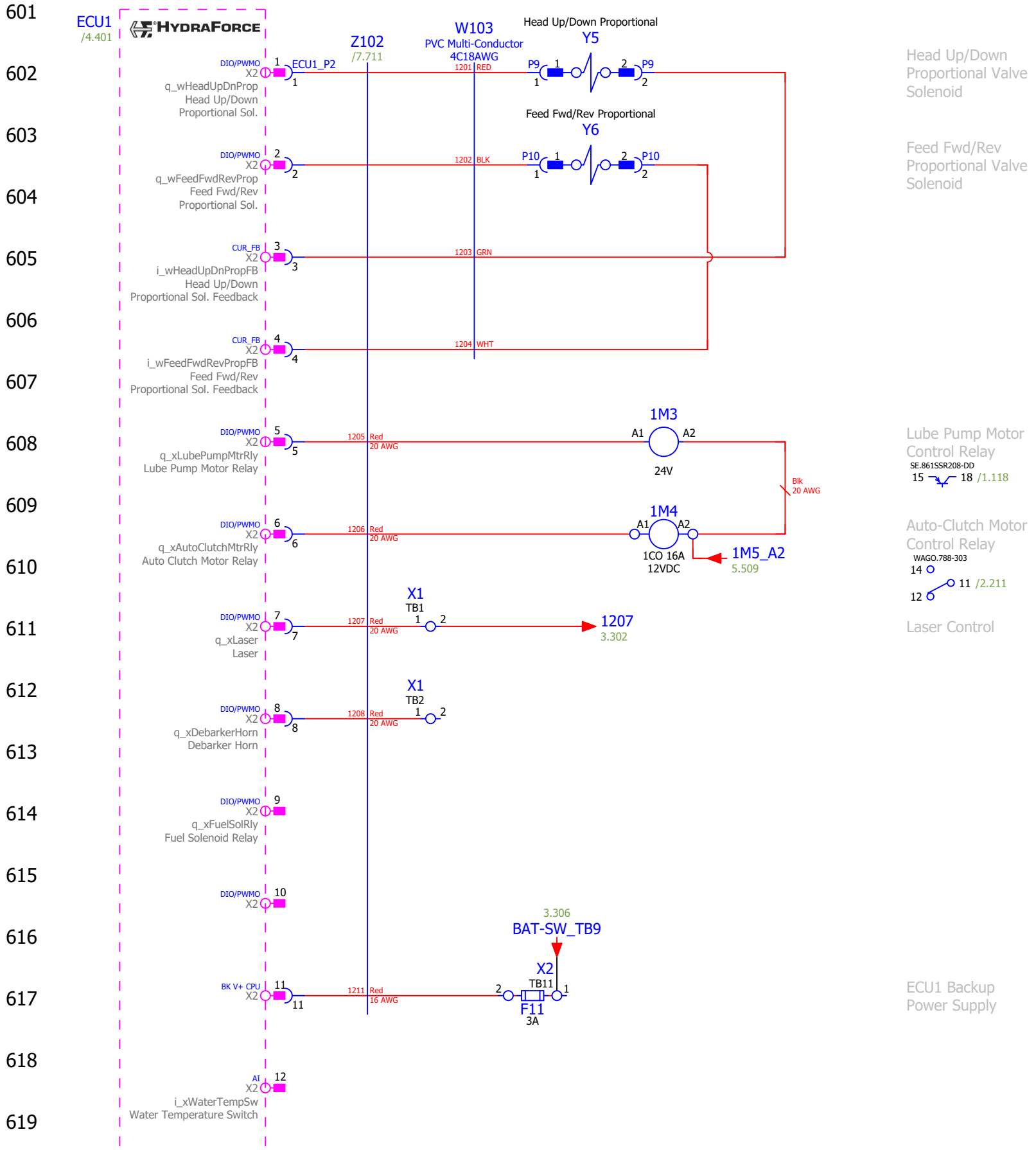
Head ECU Power Relay  
WAGO.788-303  
14

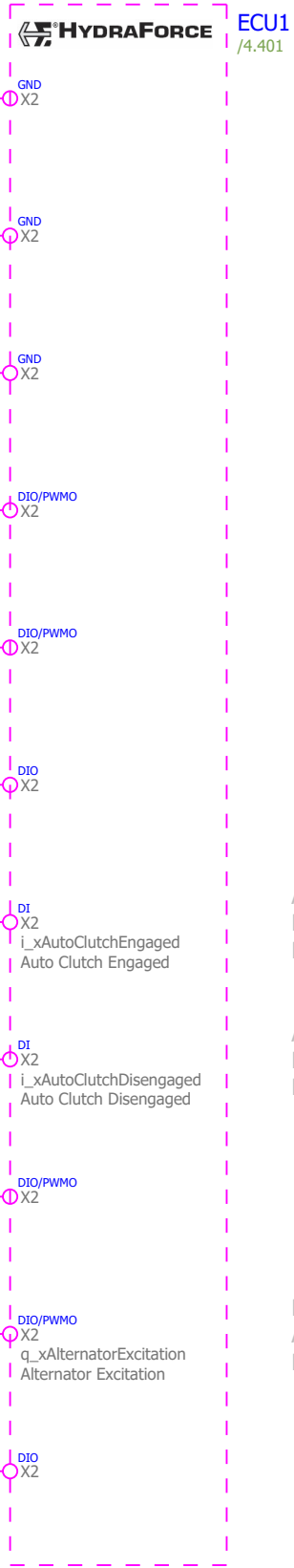
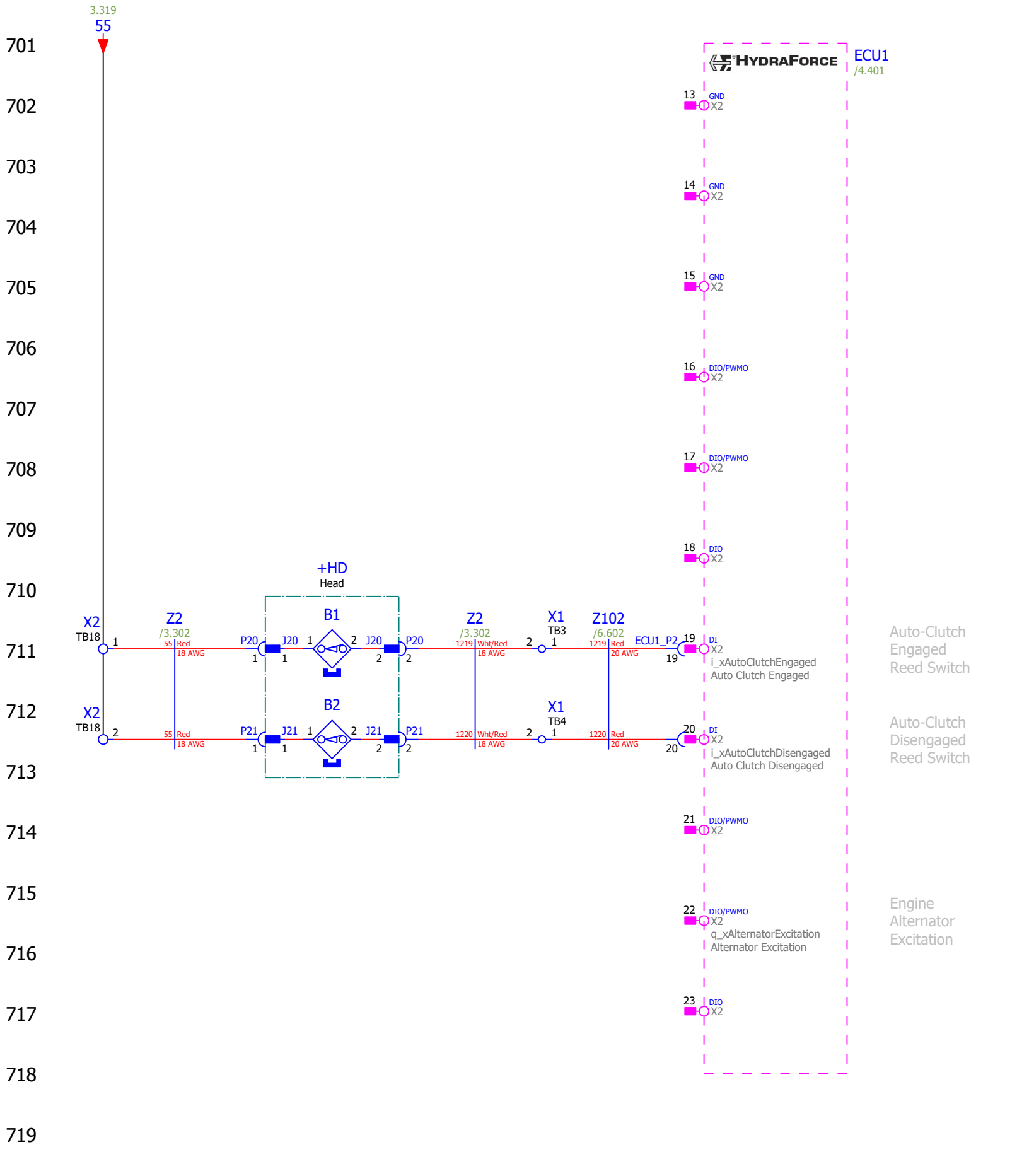
Blade Guide Motor In Control Relay  
WAGO.788-303  
14

Hydraulic Oil Temperature Switch

Blade Guide Motor Out Control Relay  
WAGO.788-303  
14

Proportional Pressure Relief Valve Solenoid

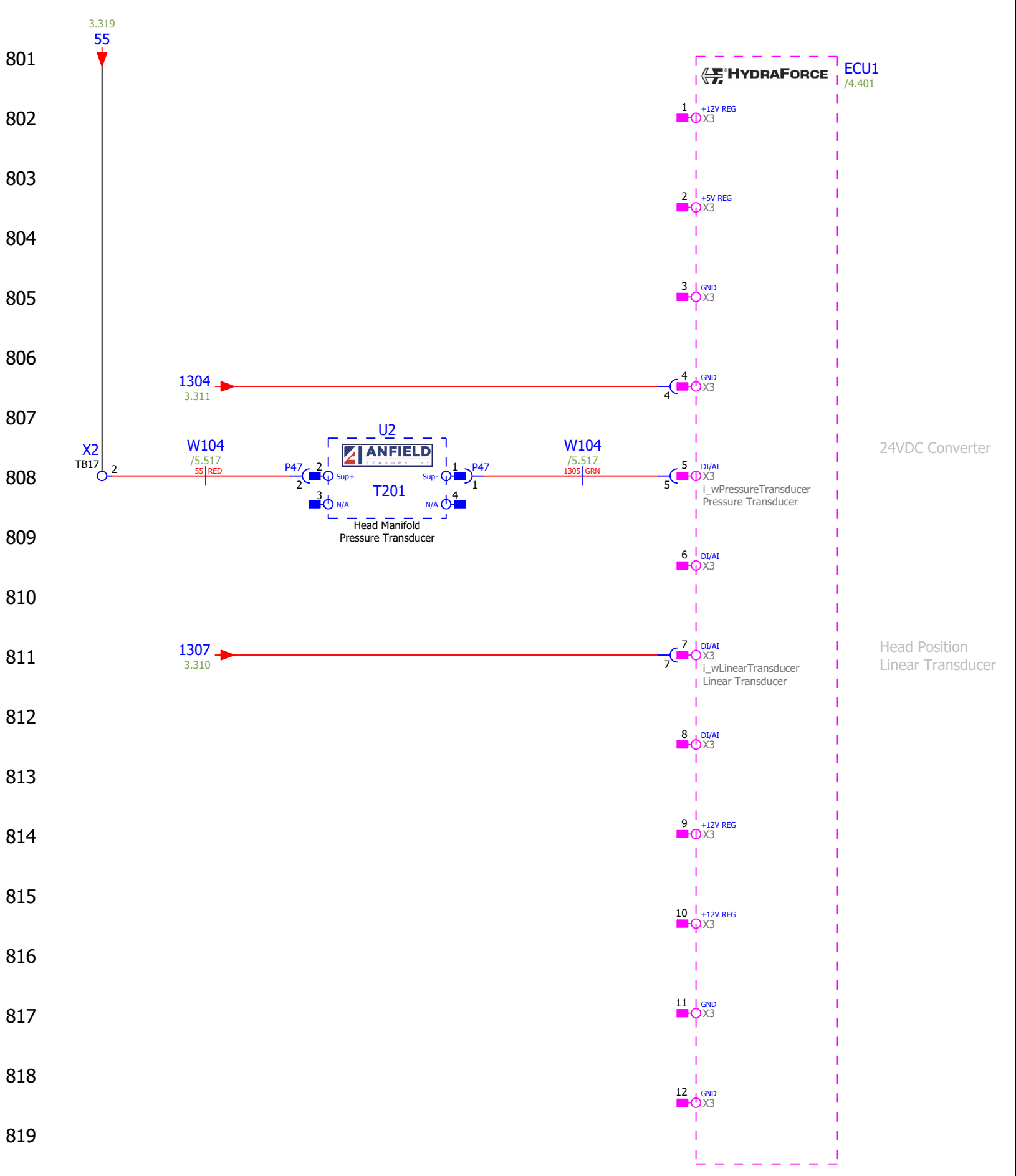




Auto-Clutch Engaged Reed Switch

Auto-Clutch Disengaged Reed Switch

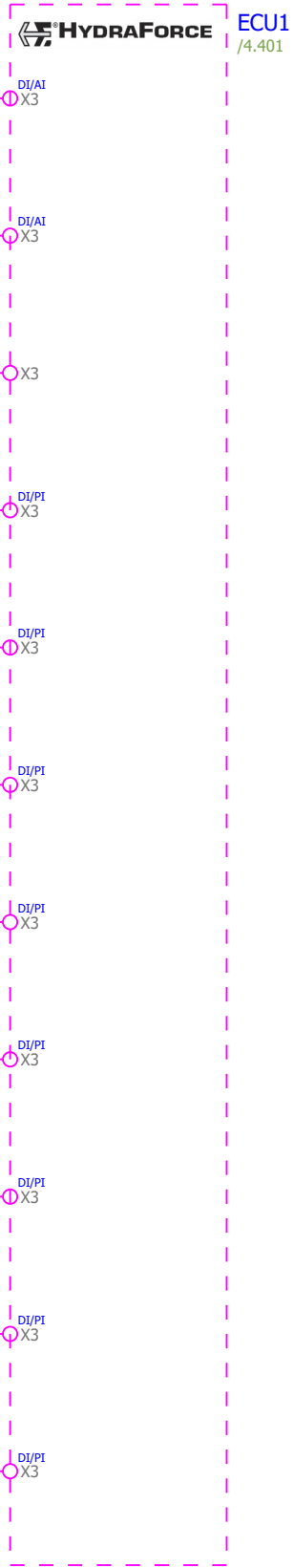
Engine Alternator Excitation




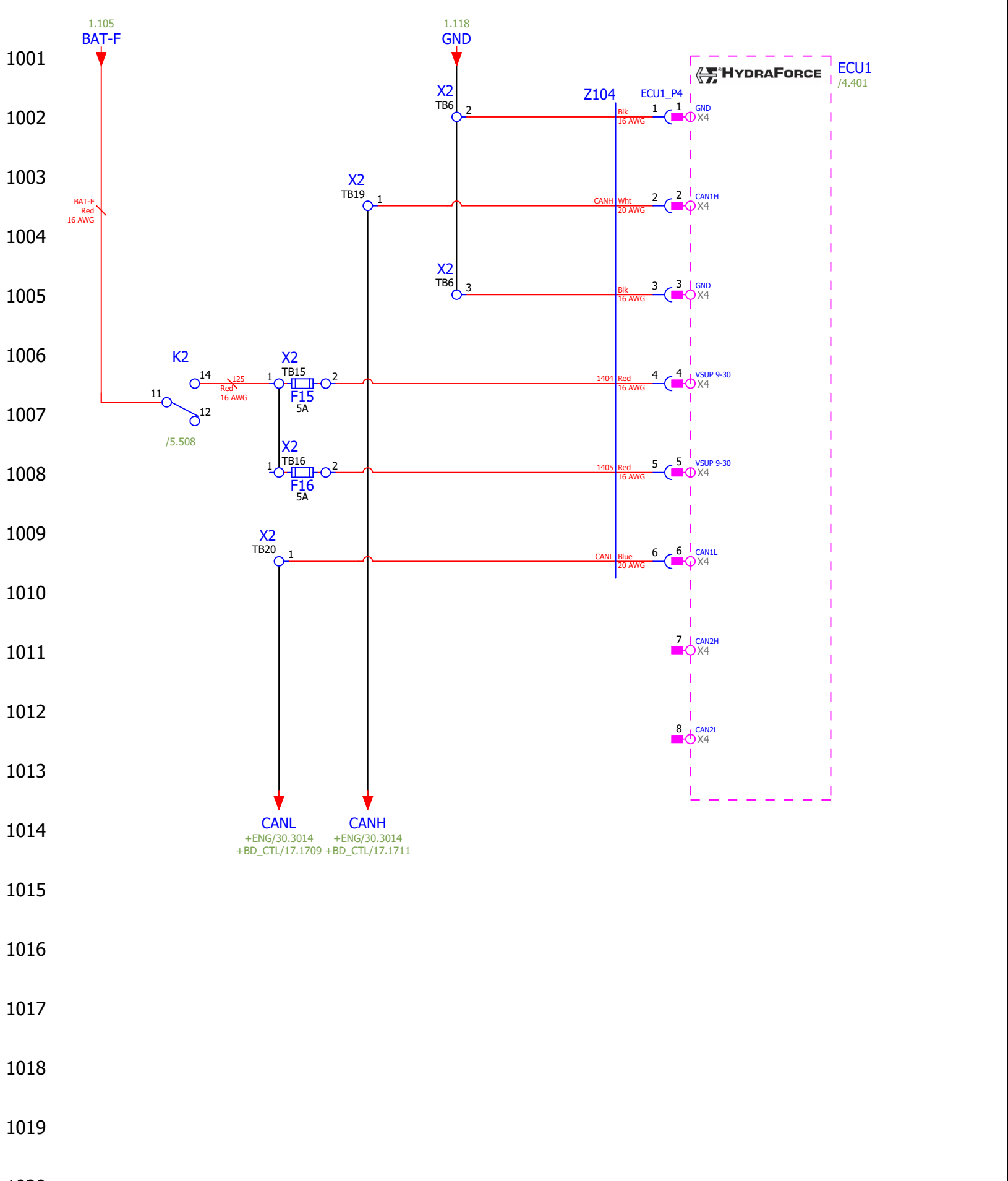
24VDC Converter

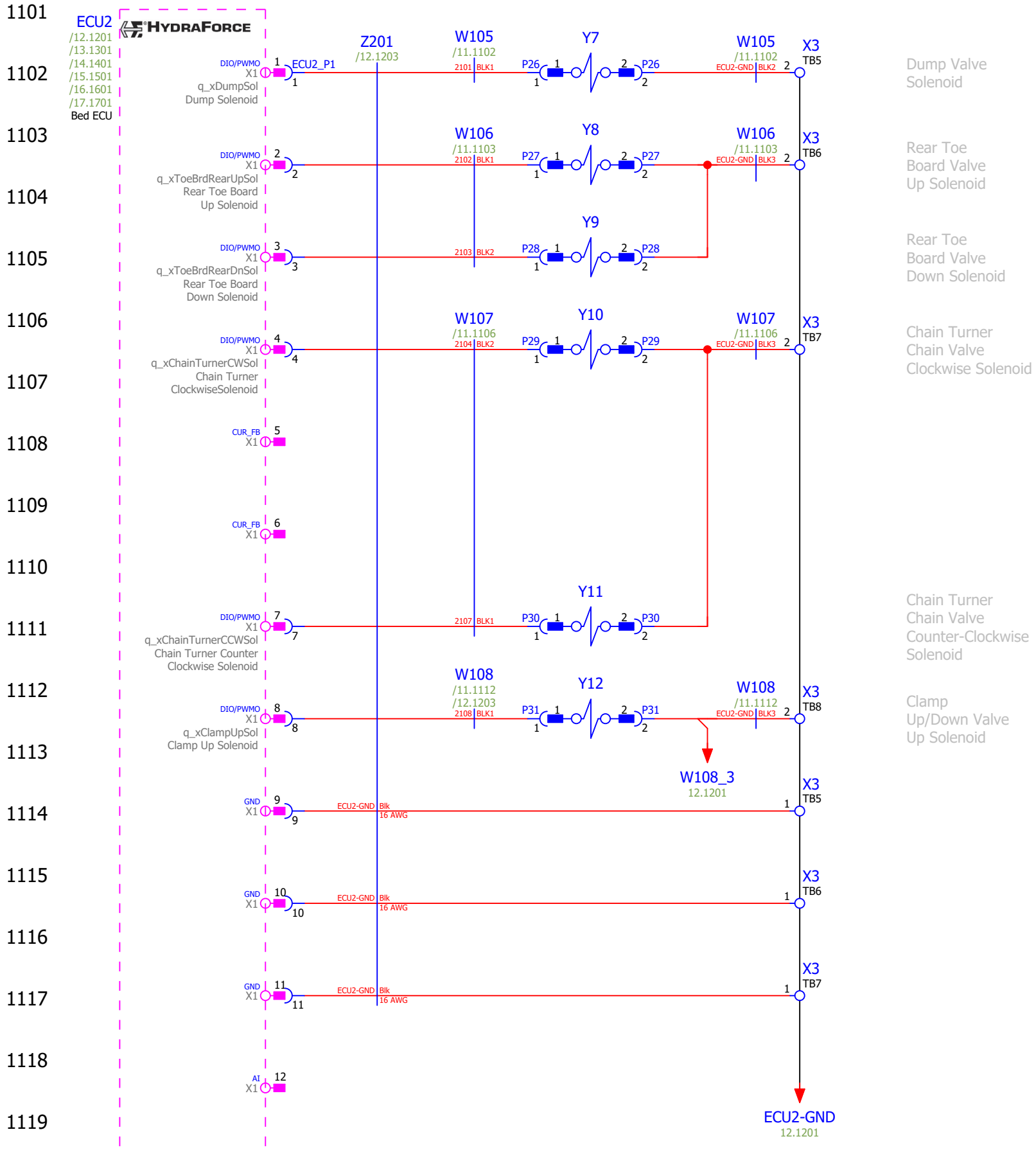
Head Position Linear Transducer

901  
902  
903  
904  
905  
906  
907  
908  
909  
910  
911  
912  
913  
914  
915  
916  
917  
918  
919  
920  
921



 <b>Wood-Mizer®</b>			
Project Description: LT70 Super Hydraulic Mill			
Revision: A5.20		Pg Desc: ECU1 X3 Pg 2	
Mounting Location: +HD_CTL		Type: Schematic multi-line	
Prev. pg: 8	Page: +HD_CTL/9	Next pg: 10	Total Pgs: 50





1101  
1102  
1103  
1104  
1105  
1106  
1107  
1108  
1109  
1110  
1111  
1112  
1113  
1114  
1115  
1116  
1117  
1118  
1119  
1120  
1121

**ECU2**  
/12.1201  
/13.1301  
/14.1401  
/15.1501  
/16.1601  
/17.1701  
Bed ECU

**HYDRAFORCE**

DIO/PWMO X1  
ECU2\_P1  
1  
1  
q\_xDumpSol  
Dump Solenoid

DIO/PWMO X1  
2  
2  
q\_xToeBrdRearUpSol  
Rear Toe Board Up Solenoid

DIO/PWMO X1  
3  
3  
q\_xToeBrdRearDnSol  
Rear Toe Board Down Solenoid

DIO/PWMO X1  
4  
4  
q\_xChainTurnerCWSol  
Chain Turner Clockwise Solenoid

CUR\_FB X1  
5  
5

CUR\_FB X1  
6  
6

DIO/PWMO X1  
7  
7  
q\_xChainTurnerCCWSol  
Chain Turner Counter-Clockwise Solenoid

DIO/PWMO X1  
8  
8  
q\_xClampUpSol  
Clamp Up Solenoid

GND X1  
9  
9

GND X1  
10  
10

GND X1  
11  
11

AI X1  
12  
12

Dump Valve Solenoid

Rear Toe Board Valve Up Solenoid

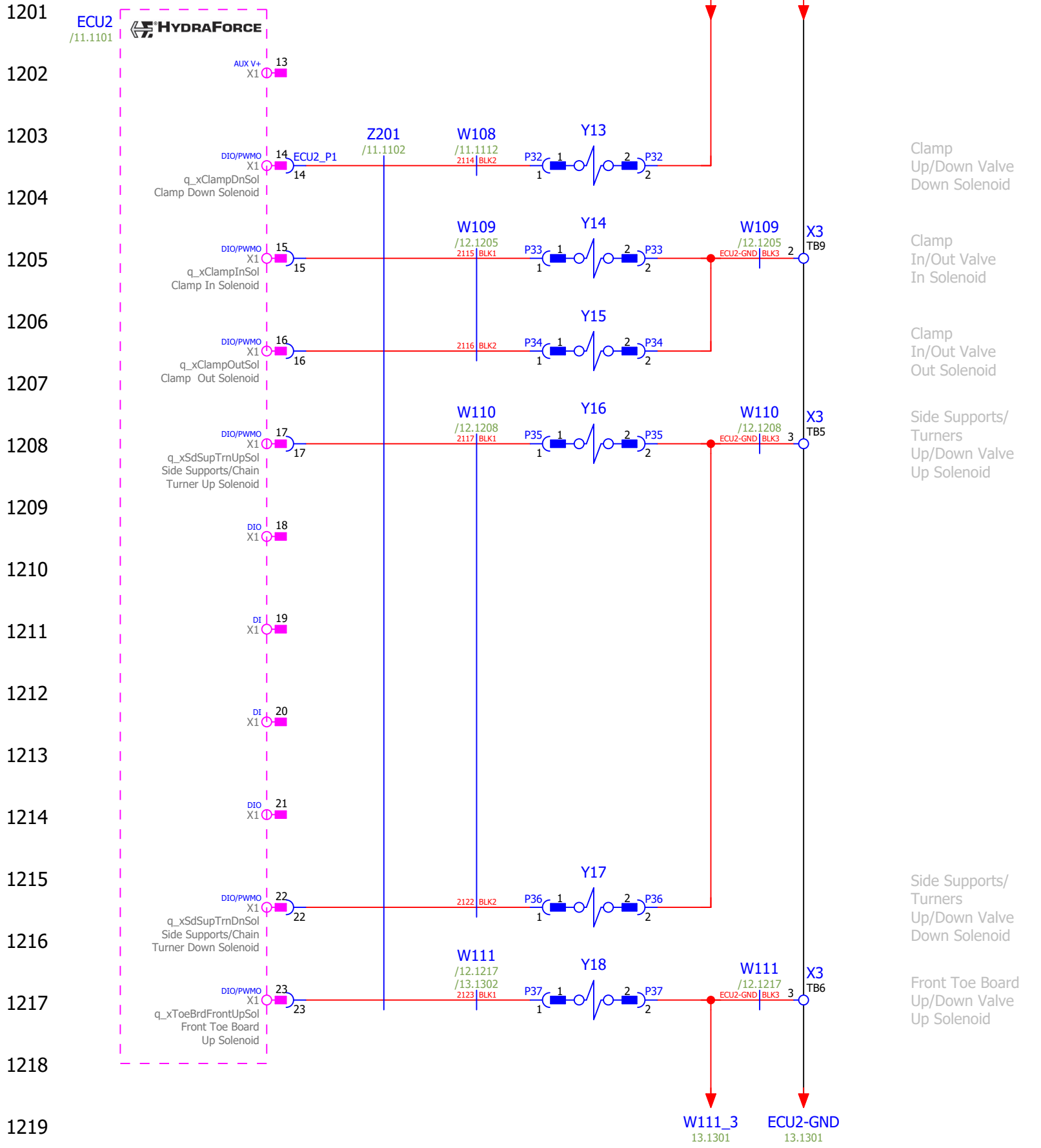
Rear Toe Board Valve Down Solenoid

Chain Turner Chain Valve Clockwise Solenoid

Chain Turner Chain Valve Counter-Clockwise Solenoid

Clamp Up/Down Valve Up Solenoid





1201  
1202  
1203  
1204  
1205  
1206  
1207  
1208  
1209  
1210  
1211  
1212  
1213  
1214  
1215  
1216  
1217  
1218  
1219  
1220  
1221

Clamp  
Up/Down Valve  
Down Solenoid

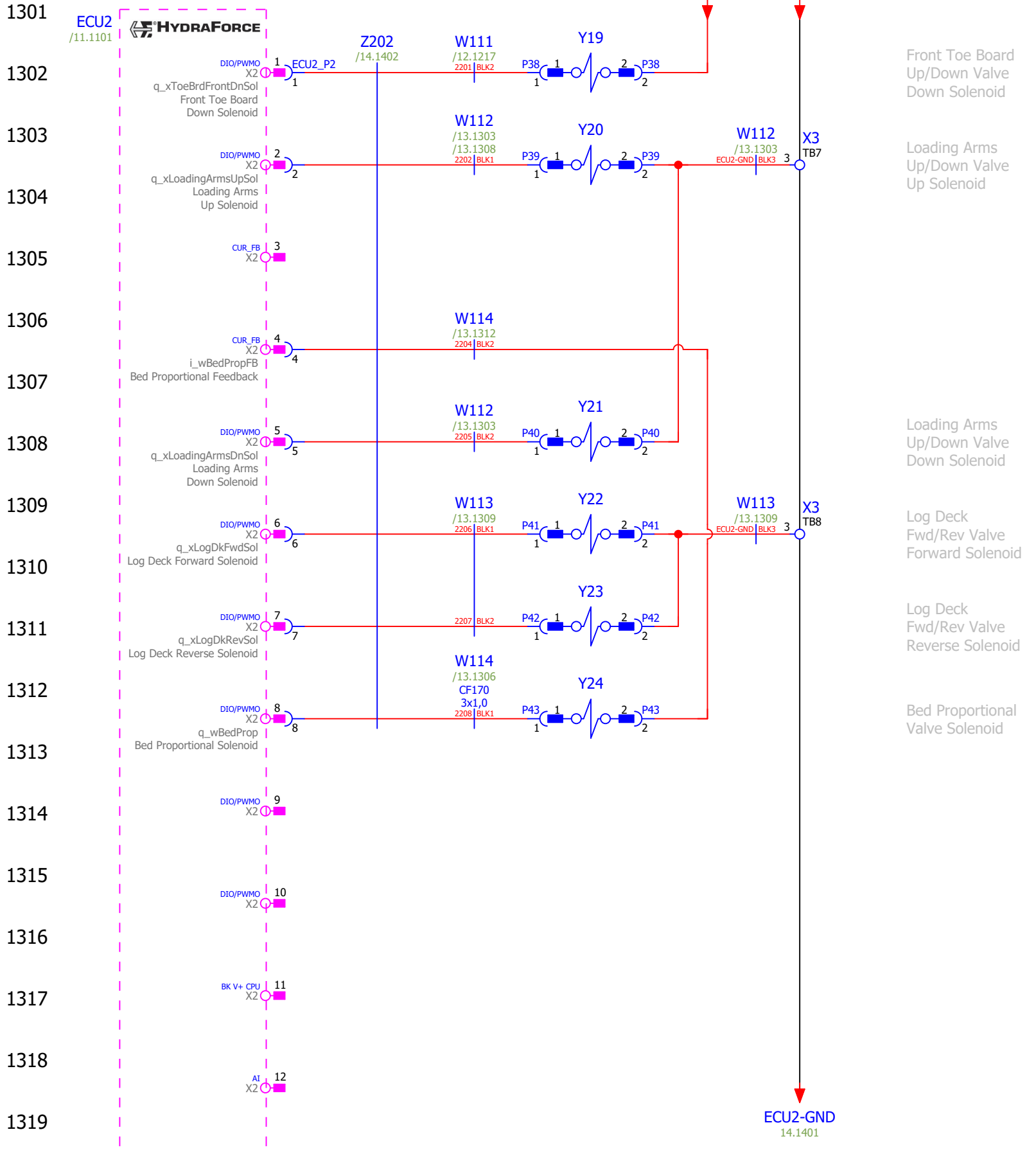
Clamp  
In/Out Valve  
In Solenoid

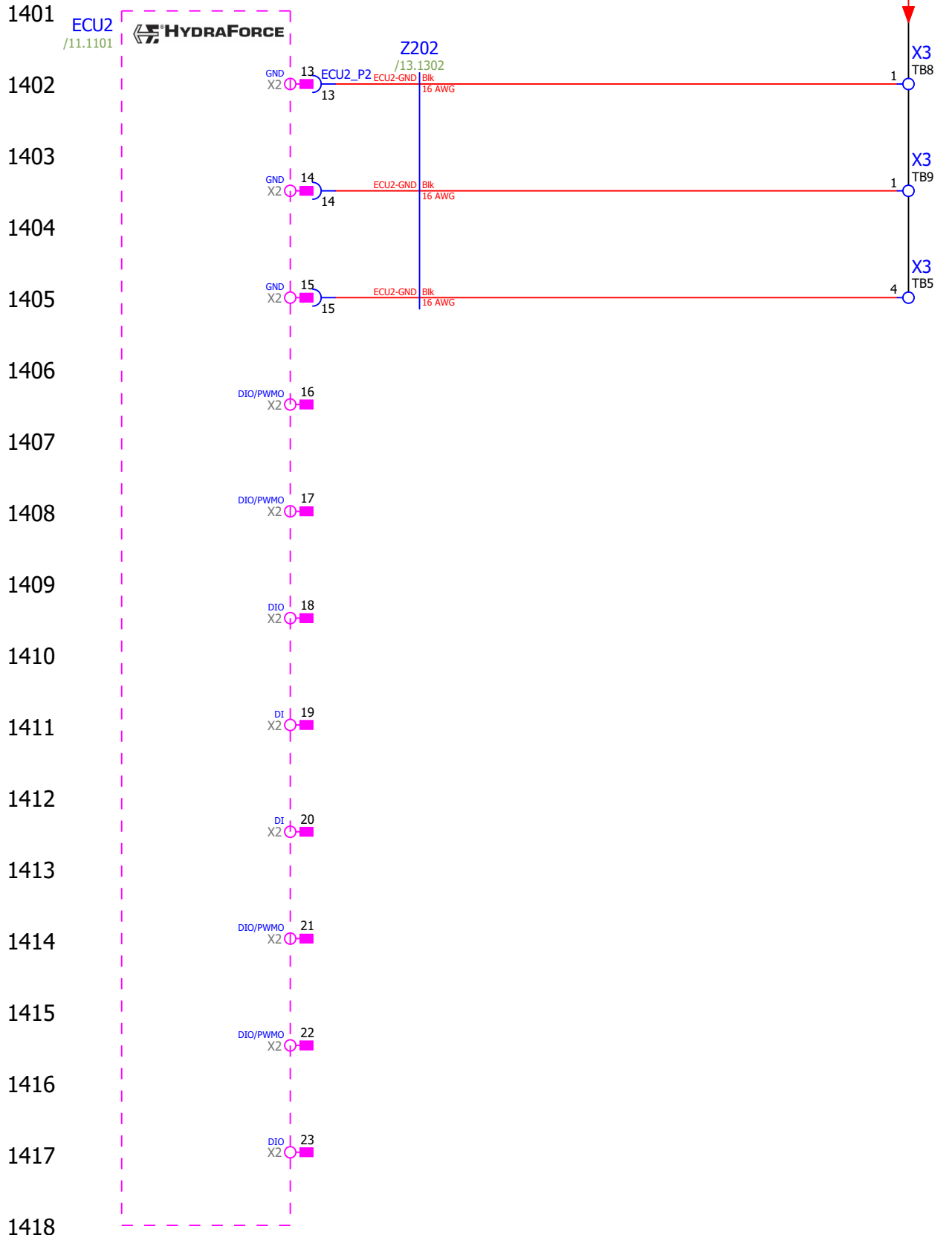
Clamp  
In/Out Valve  
Out Solenoid

Side Supports/  
Turners  
Up/Down Valve  
Up Solenoid

Side Supports/  
Turners  
Up/Down Valve  
Down Solenoid

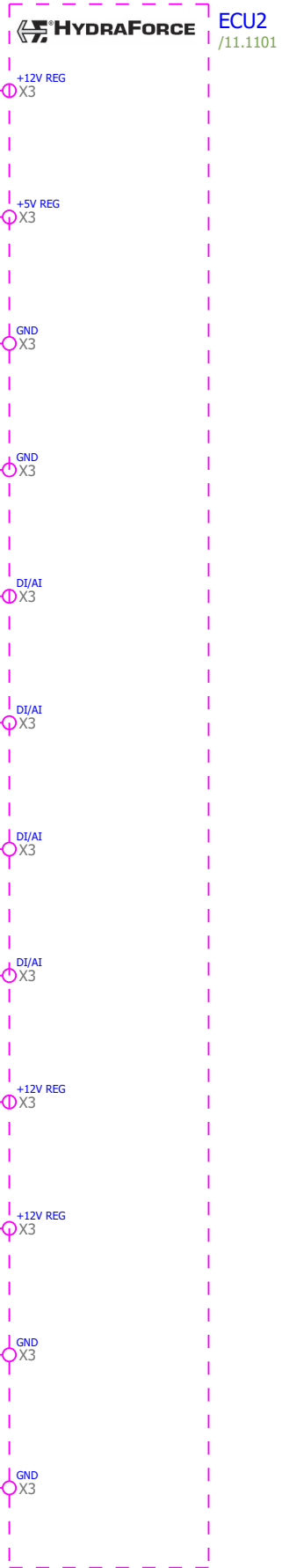
Front Toe Board  
Up/Down Valve  
Up Solenoid






1401  
 1402  
 1403  
 1404  
 1405  
 1406  
 1407  
 1408  
 1409  
 1410  
 1411  
 1412  
 1413  
 1414  
 1415  
 1416  
 1417  
 1418  
 1419  
 1420  
 1421


1501  
1502  
1503  
1504  
1505  
1506  
1507  
1508  
1509  
1510  
1511  
1512  
1513  
1514  
1515  
1516  
1517  
1518  
1519  
1520  
1521



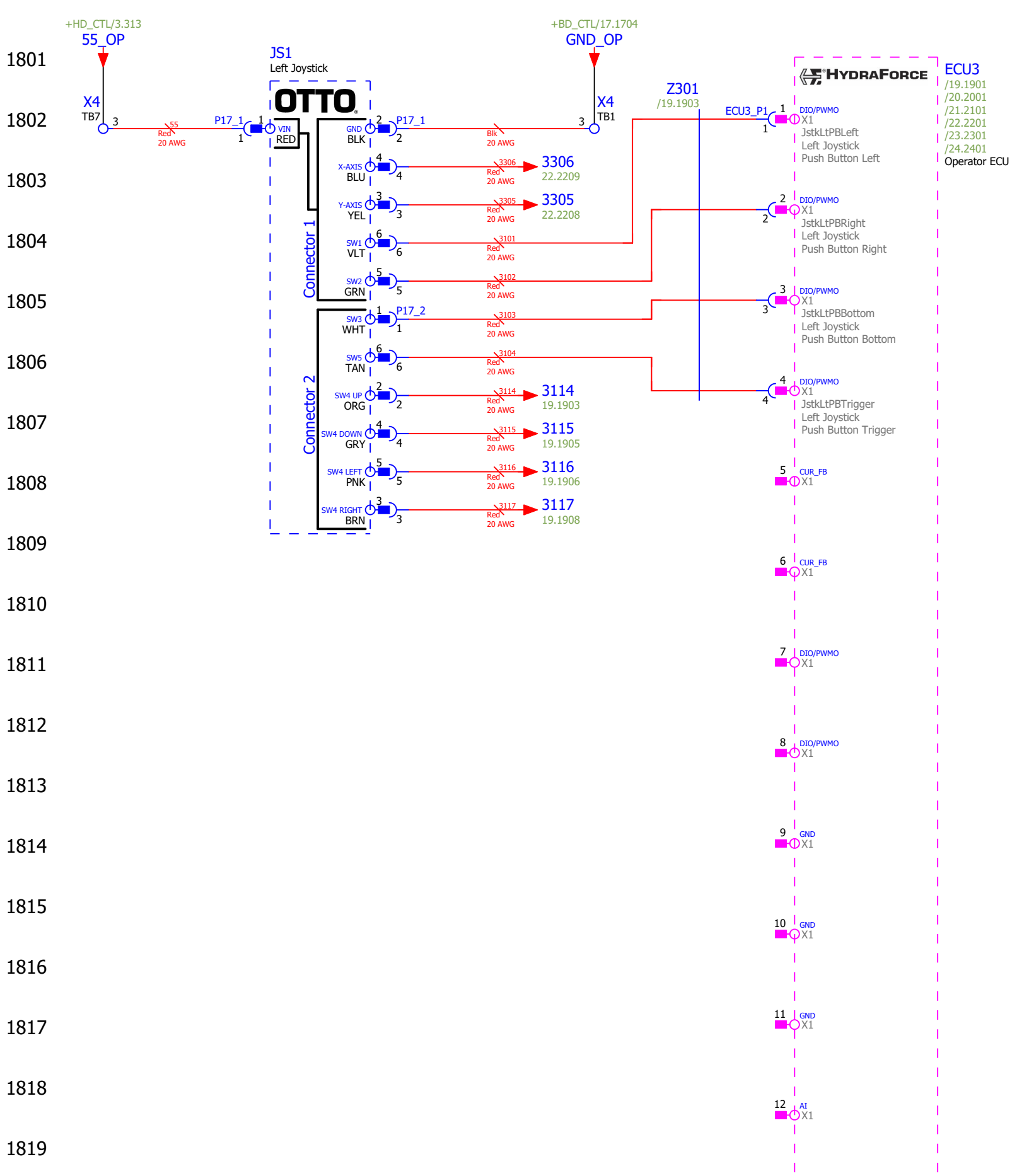
 <b>Wood-Mizer®</b>			
Project Description: LT70 Super Hydraulic Mill			
Revision:	A5.20	Pg Desc: ECU2 X3 Pg 1	
Mounting Location:	+BD_CTL	Type: Schematic multi-line	
Prev. pg:	14	Page:	+BD_CTL/15
Next pg:	16	Total Pgs:	50

1601  
1602  
1603  
1604  
1605  
1606  
1607  
1608  
1609  
1610  
1611  
1612  
1613  
1614  
1615  
1616  
1617  
1618  
1619  
1620  
1621



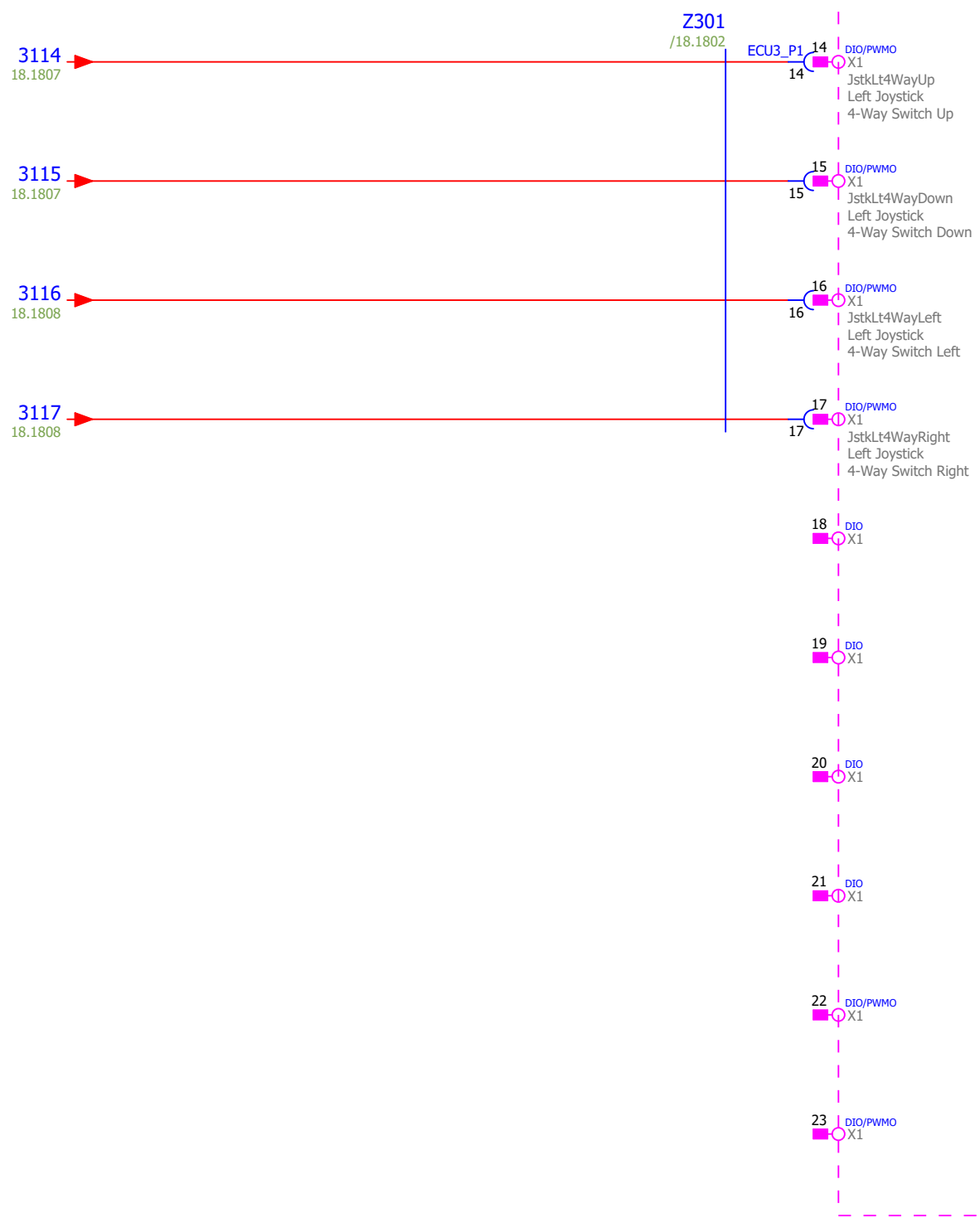
 <b>Wood-Mizer®</b>			
Project Description: LT70 Super Hydraulic Mill			
Revision: A5.20		Pg Desc: ECU2 X3 Pg 2	
Mounting Location: +BD_CTL		Type: Schematic multi-line	
Prev. pg: 15	Page: +BD_CTL/16	Next pg: 17	Total Pgs: 50



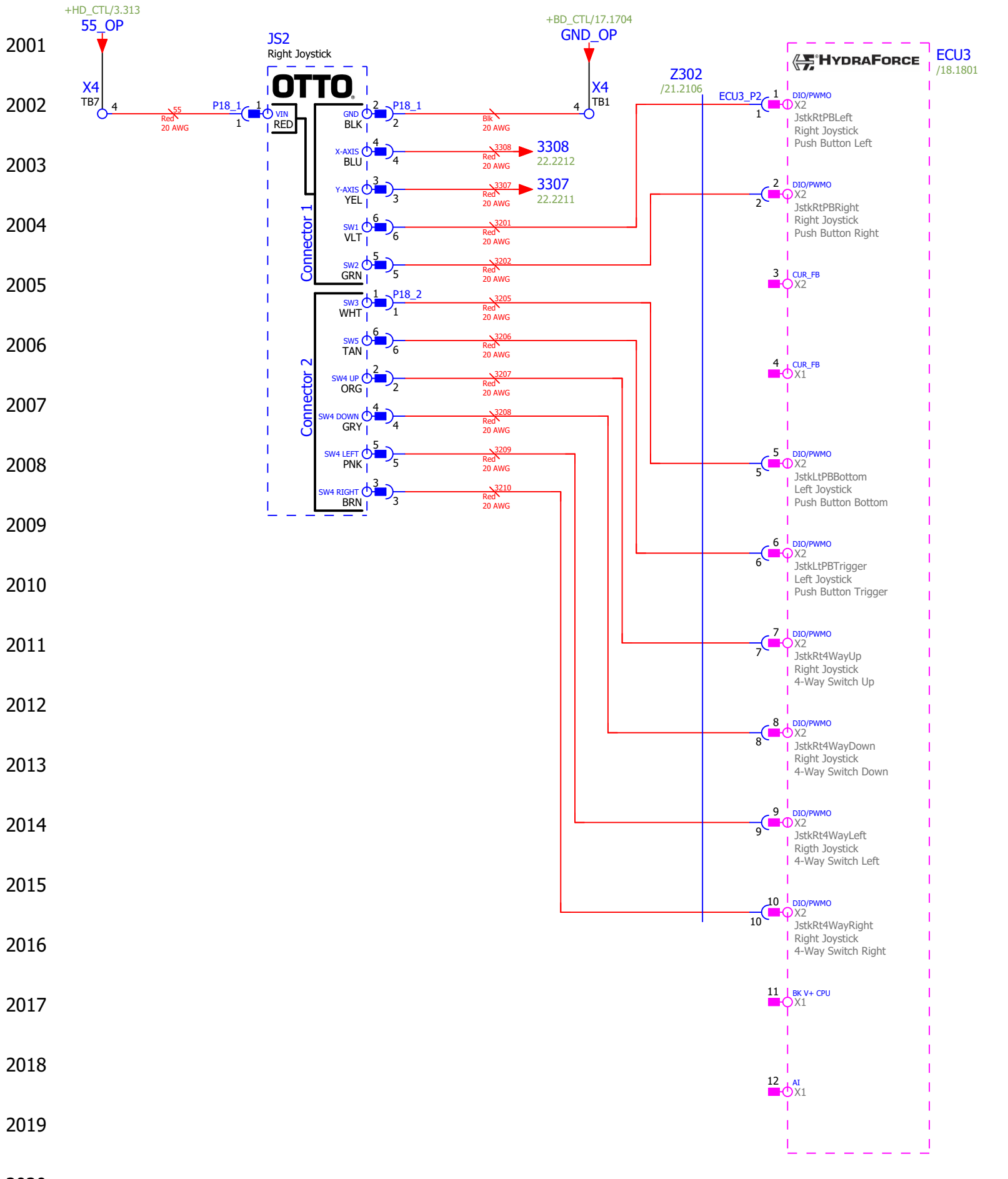


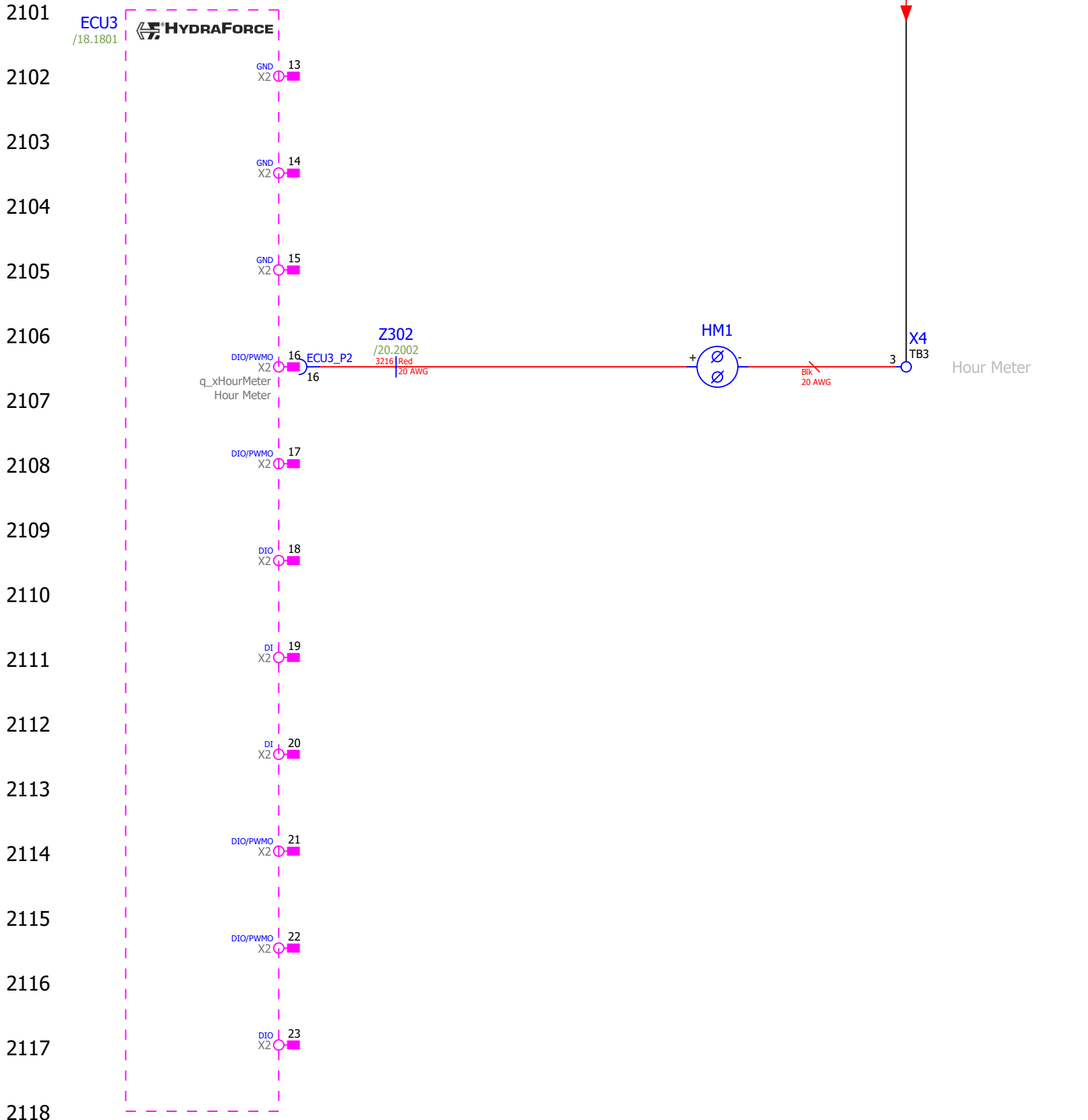
1901  
1902  
1903  
1904  
1905  
1906  
1907  
1908  
1909  
1910  
1911  
1912  
1913  
1914  
1915  
1916  
1917  
1918  
1919  
1920  
1921

**HYDRAFORCE** ECU3 /18.1801



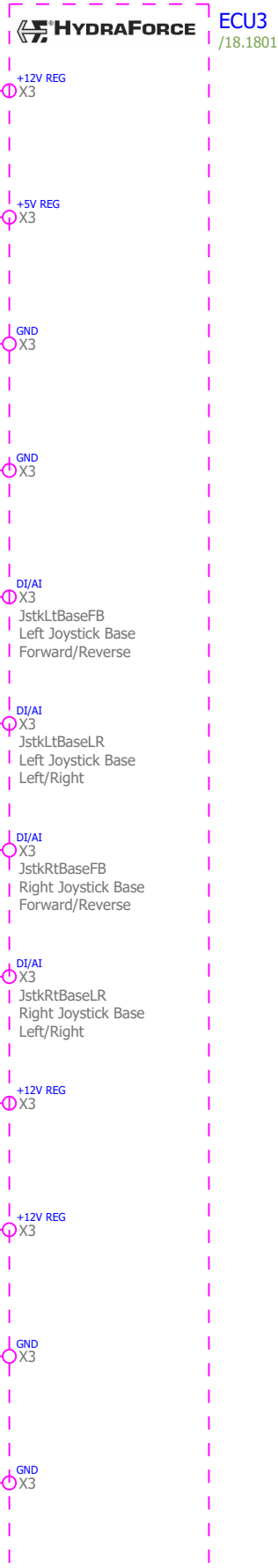






2101  
2102  
2103  
2104  
2105  
2106  
2107  
2108  
2109  
2110  
2111  
2112  
2113  
2114  
2115  
2116  
2117  
2118  
2119  
2120  
2121

2201  
2202  
2203  
2204  
2205  
2206  
2207  
2208  
2209  
2210  
2211  
2212  
2213  
2214  
2215  
2216  
2217  
2218  
2219  
2220  
2221



3305  
18.1803

3306  
18.1803

3307  
20.2003

3308  
20.2003

ECU3\_P3  
5

6

7

8

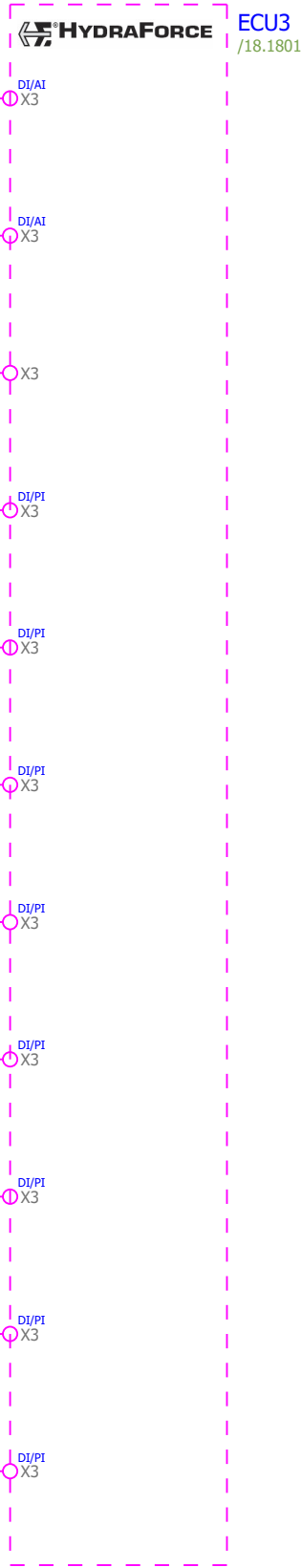
JstkLtBaseFB  
Left Joystick Base  
Forward/Reverse


JstkLtBaseLR  
Left Joystick Base  
Left/Right

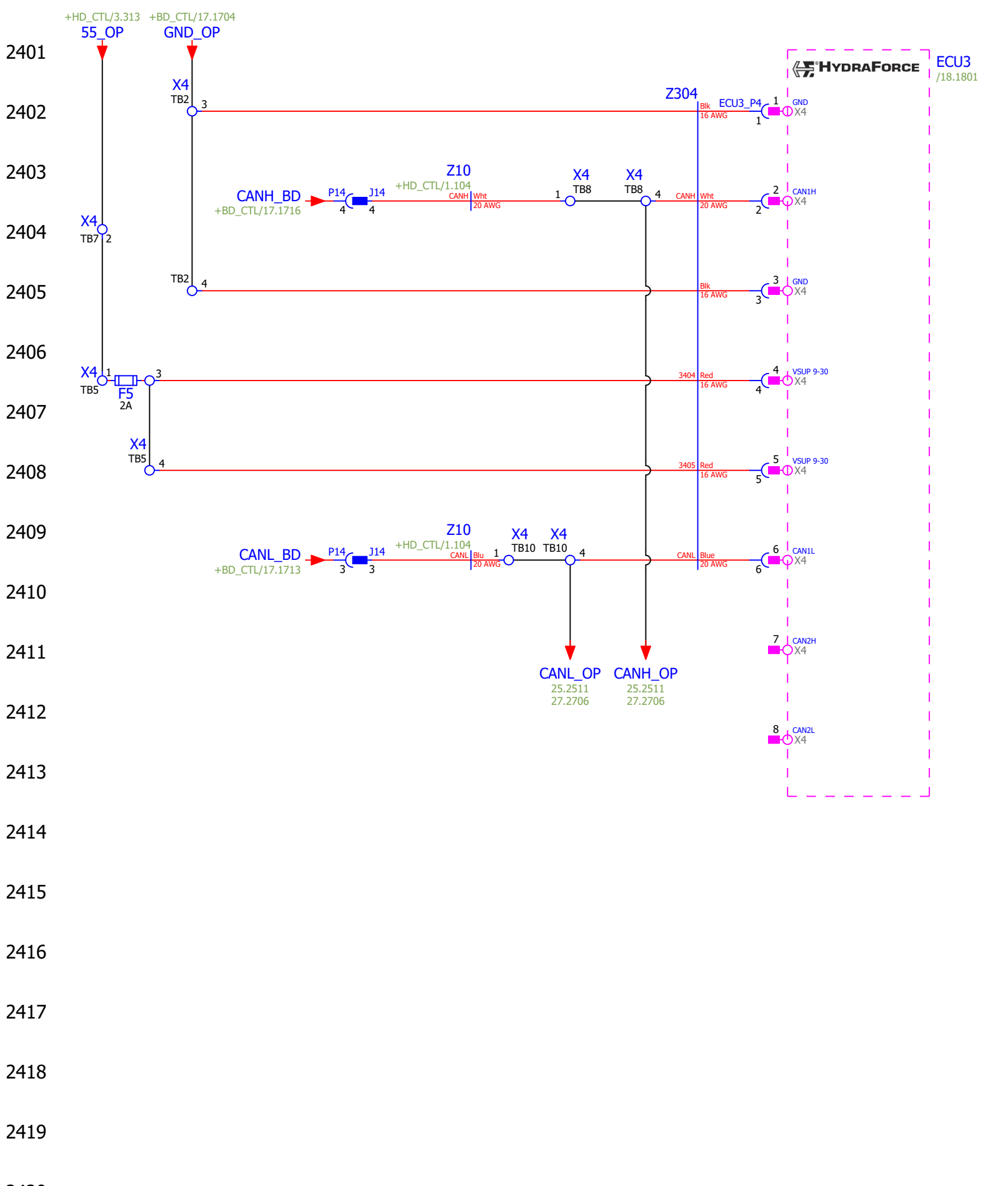
JstkRtBaseFB  
Right Joystick Base  
Forward/Reverse

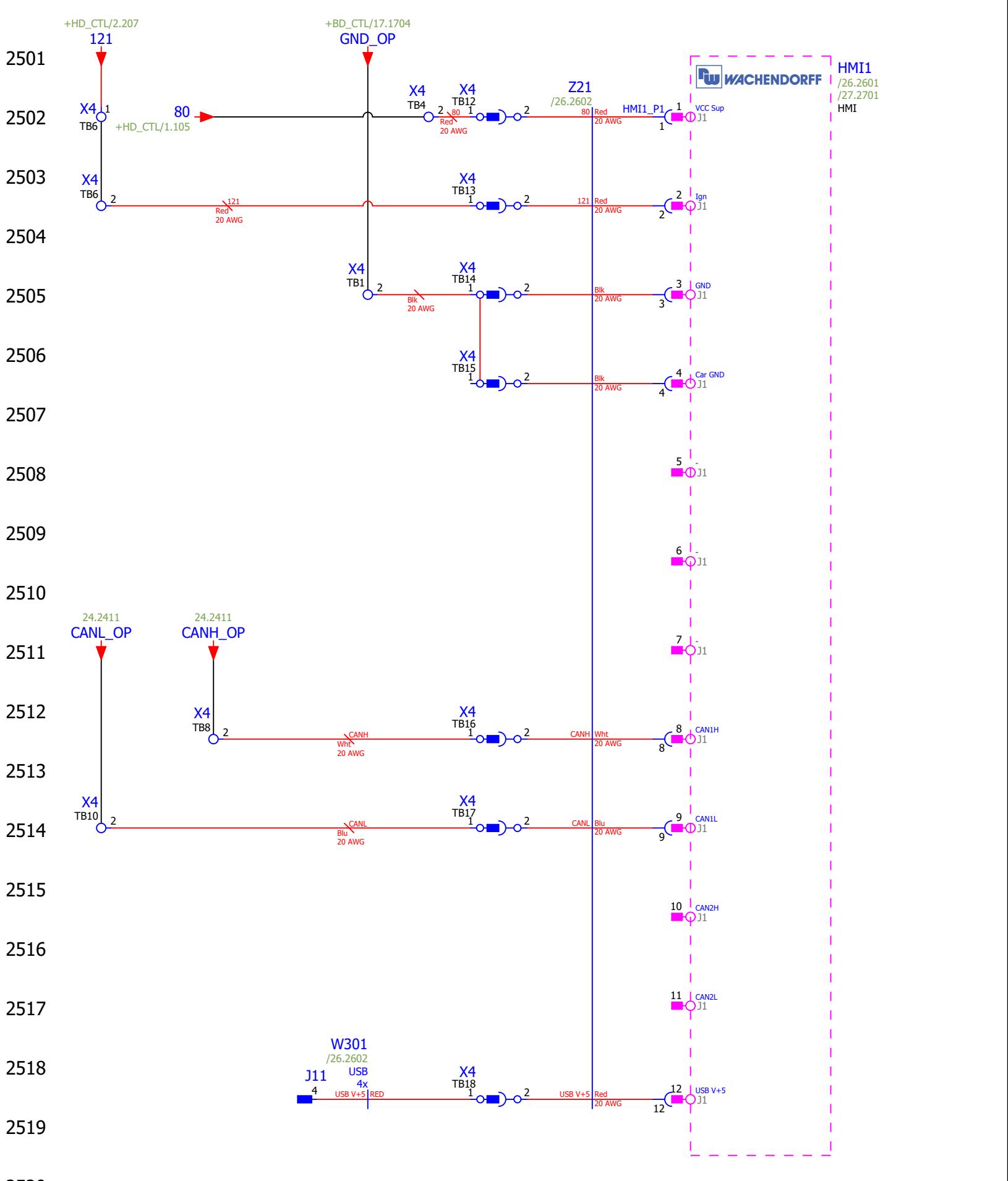
JstkRtBaseLR  
Right Joystick Base  
Left/Right

2301  
2302  
2303  
2304  
2305  
2306  
2307  
2308  
2309  
2310  
2311  
2312  
2313  
2314  
2315  
2316  
2317  
2318  
2319  
2320  
2321



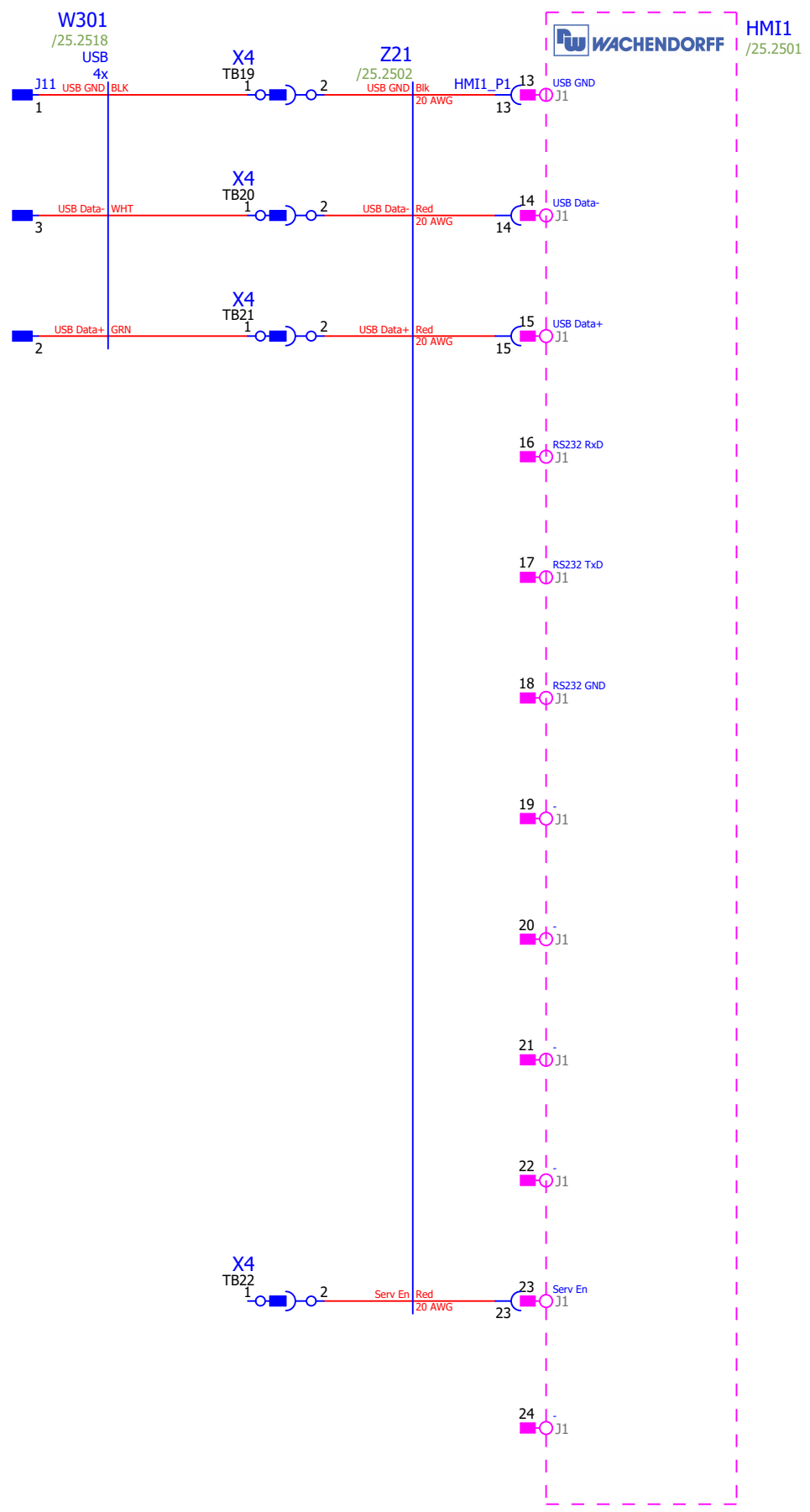
 <b>Wood-Mizer®</b>			
Project Description: LT70 Super Hydraulic Mill			
Revision: A5.20		Pg Desc: ECU3 X3 Pg 2	
Mounting Location: +OP_CTL		Type: Schematic multi-line	
Prev. pg: 22	Page: +OP_CTL/23	Next pg: 24	Total Pgs: 50



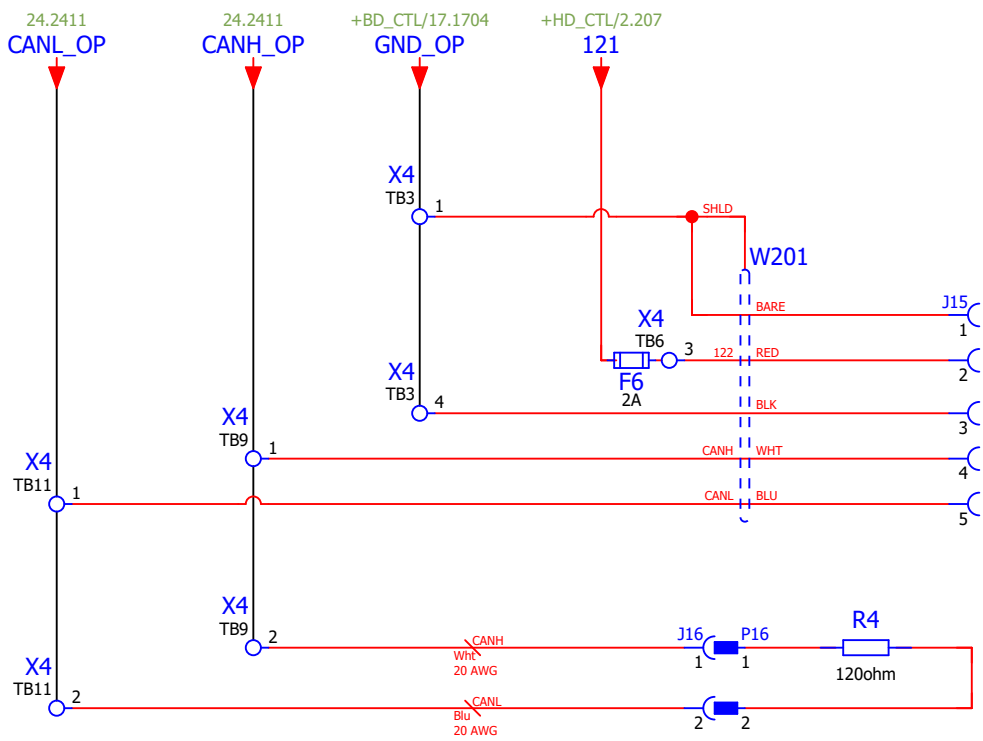
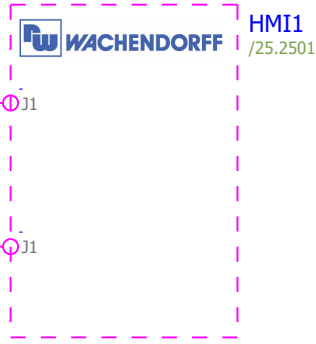


**WACHENDORFF**  
 HMI1  
 /26.2601  
 /27.2701  
 HMI

2601  
2602  
2603  
2604  
2605  
2606  
2607  
2608  
2609  
2610  
2611  
2612  
2613  
2614  
2615  
2616  
2617  
2618  
2619  
2620  
2621



2701  
2702  
2703  
2704  
2705  
2706  
2707  
2708  
2709  
2710  
2711  
2712  
2713  
2714  
2715  
2716  
2717  
2718  
2719  
2720  
2721  
2722



CAN Bus Programming/  
Monitoring Port

CAN Bus Terminating Resistor



2801  
2802  
2803  
2804  
2805  
2806  
2807  
2808  
2809  
2810  
2811  
2812  
2813  
2814  
2815  
2816  
2817  
2818  
2819  
2820  
2821

E-ECU  
Engine ECU  
/28.2801

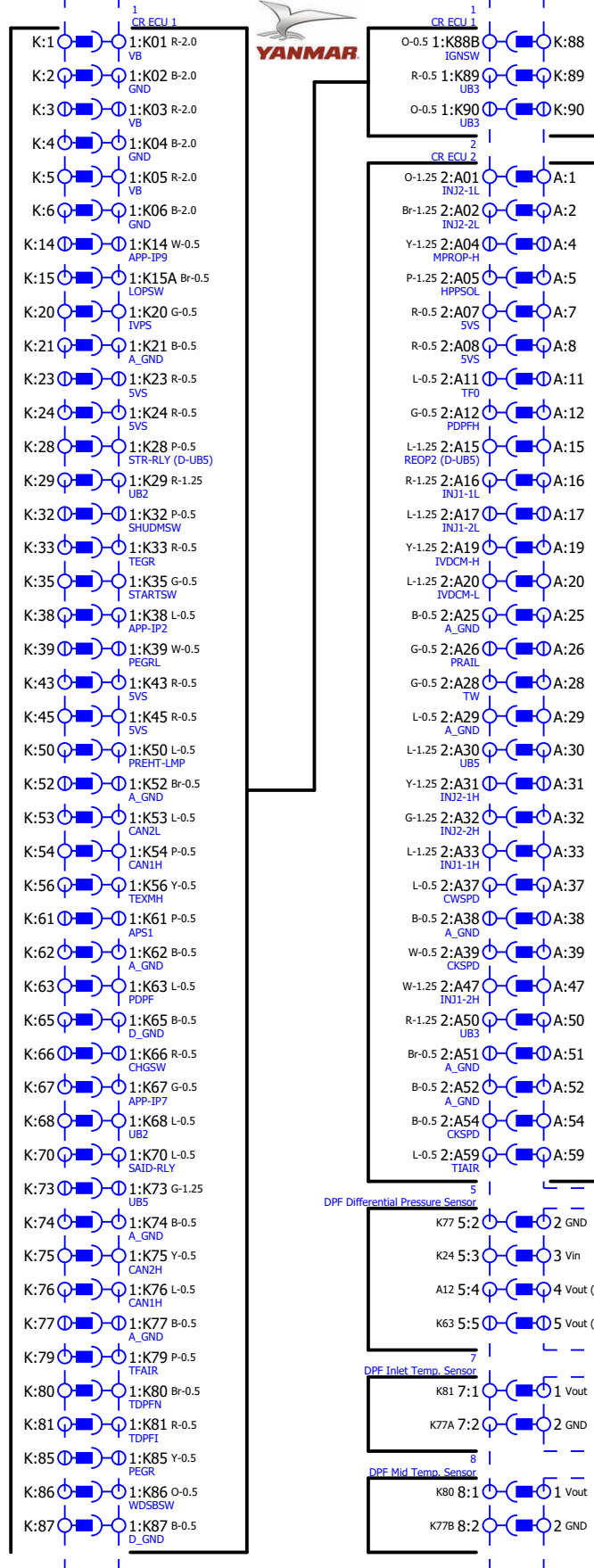
KPH9  
Engine Harness /29.2901  
/30.3001



E-ECU  
Engine ECU  
/28.2801

Unused Pins Not Shown

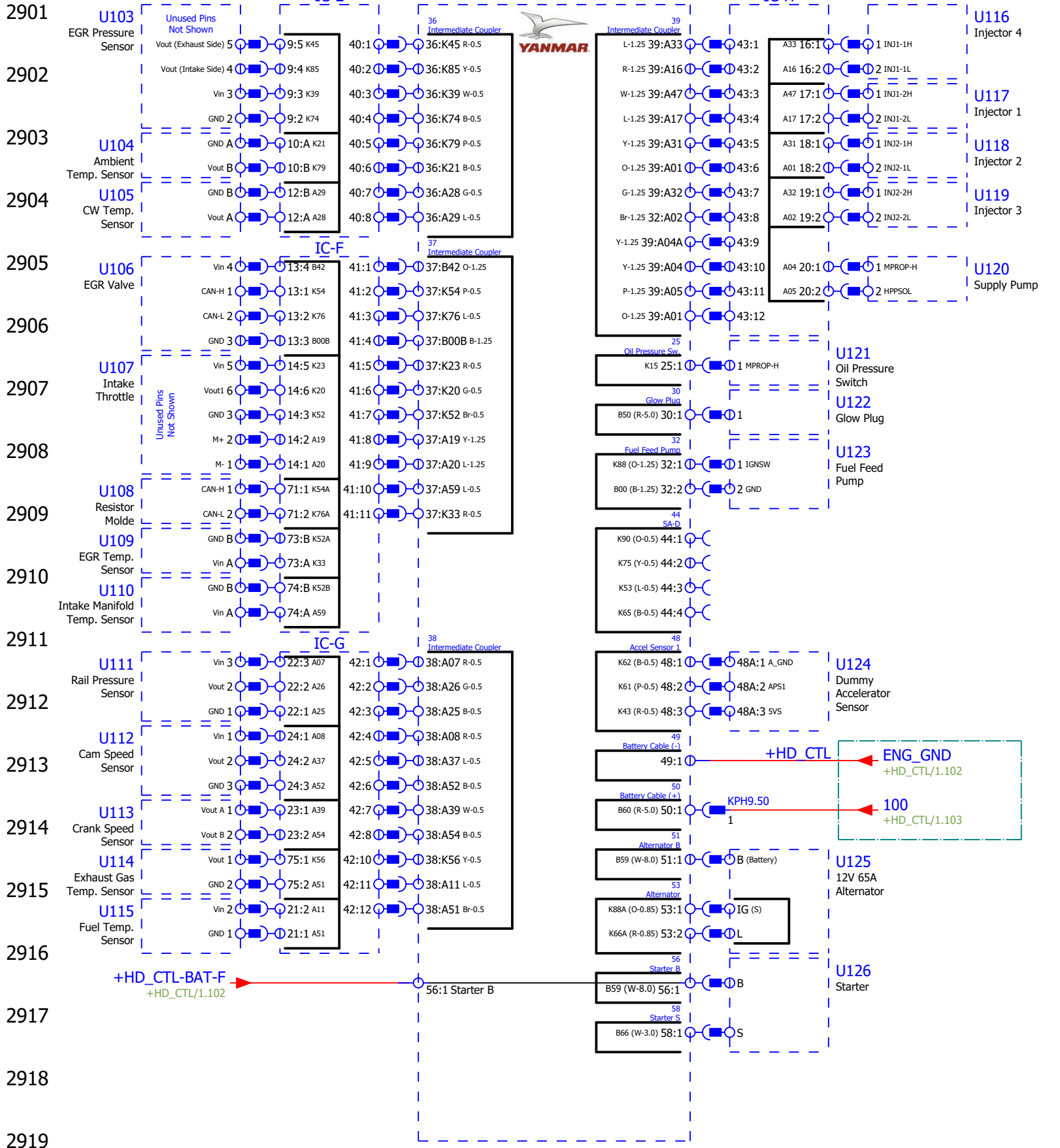
Unused Pins Not Shown

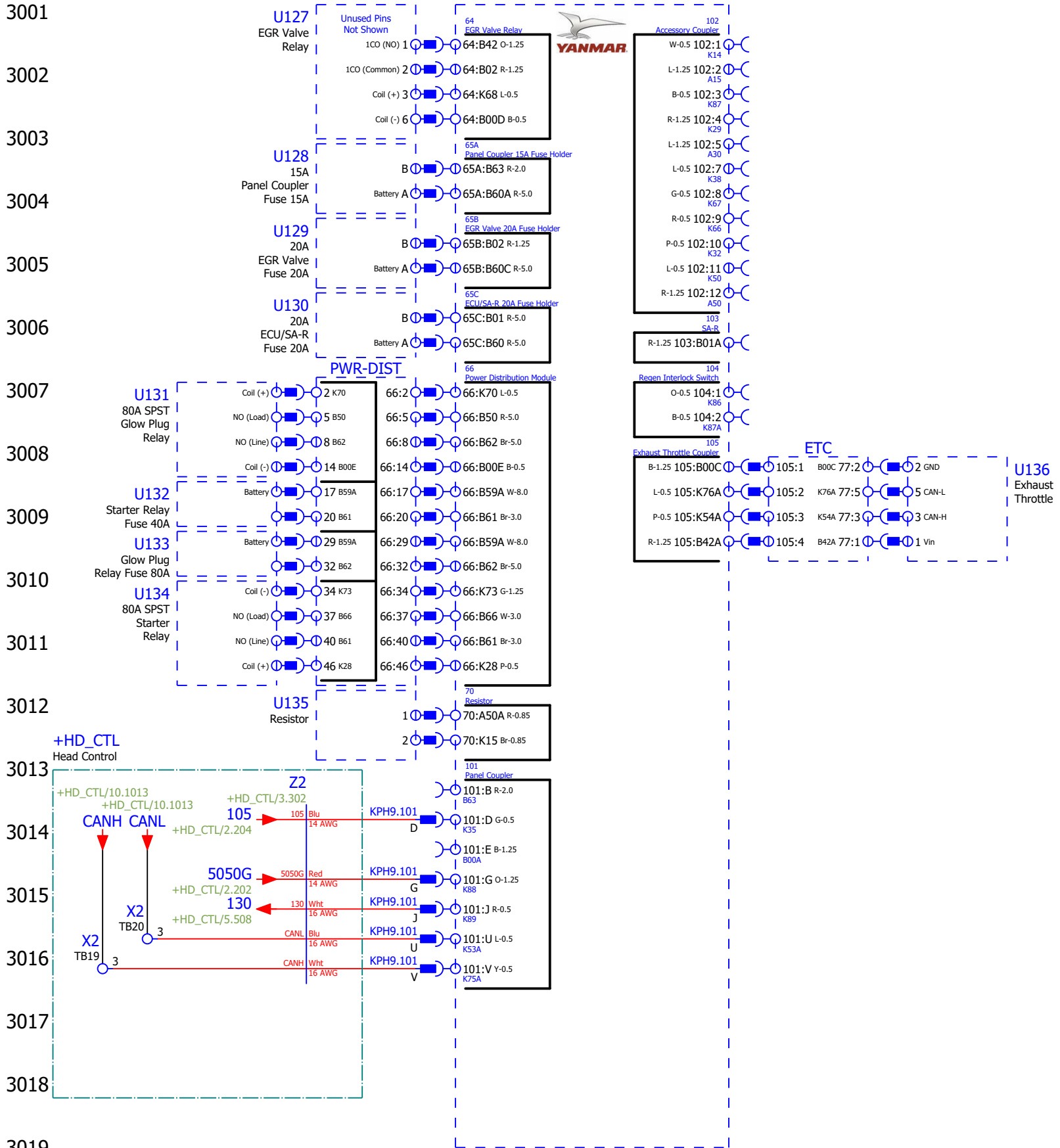


**Wood-Mizer®**

Project Description: LT70 Super Hydraulic Mill

Revision: A5.20	Pg Desc: Harness Pg 2
Mounting Location: +ENG	Type: Schematic multi-line
Prev. pg#+OP_CTL/27	Page: +ENG/28
Next pg: 29	Total Pgs: 50





# Device Tag/Parts List

WM\_PARTS\_LIST-Manual

Device tag	Function	Wood-Mizer Part Number	Wood-Mizer Description	Qty.	X-Ref
1M1	Starter Solenoid Control Relay	051335	Relay, ISO 12V Coil w/Diode	1	+HD_CTL/1.112
1M2	Debarker Motor Solenoid	078091	Solenoid, 150A 12 SPST Cont. Duty IP66	1	+HD_CTL/5.503
1M3	Lube Pump Control Relay	069943	Relay, Solid State 8A DIN	1	+HD_CTL/6.608
1M4	Auto-Clutch Motor Control Relay	078121	Relay, 1CO 12VDC 16A Clmp DIN	1	+HD_CTL/6.609
1M5	Blade Guide Motor In Control Relay	078121	Relay, 1CO 12VDC 16A Clmp DIN	1	+HD_CTL/5.509
1M6	Debarker In/Out Motor In Control Relay	078121	Relay, 1CO 12VDC 16A Clmp DIN	1	+HD_CTL/5.505
2M5	Blade Guide Motor Out Control Relay	078121	Relay, 1CO 12VDC 16A Clmp DIN	1	+HD_CTL/5.515
2M6	Debarker In/Out Motor Out Control Relay	078121	Relay, 1CO 12VDC 16A Clmp DIN	1	+HD_CTL/5.506
B1	Auto-Clutch Engaged Reed Switch	053430	Sensor Assy, DCS Proximity Magnetic	1	+HD_CTL/7.711
B2	Auto-Clutch Disengaged Reed Switch	053430	Sensor Assy, DCS Proximity Magnetic	1	+HD_CTL/7.712
CB2	Debarker Motor Breaker	053441	Breaker, 80A Hi-Amp Surface Mount	1	+HD_CTL/1.116
CB4	Auto Clutch Motor Breaker	053464	Breaker, 10A Manual Reset	1	+HD_CTL/2.212
CB5	Blade Guide Motor Breaker	053464	Breaker, 10A Manual Reset	1	+HD_CTL/2.214
CB6	Debarker In/Out Motor Breaker	053464	Breaker, 10A Manual Reset	1	+HD_CTL/2.217
D1	Ignition Solenoid Suppression Diode	015426	Diode Assy, Solenoid Coil Chassis GND	1	+HD_CTL/1.114
D2	Debarker Mtr Solenoid Suppression Diode	015426	Diode Assy, Solenoid Coil Chassis GND	1	+HD_CTL/5.504
ECU1	Head ECU	078028-8	ECU Assy, LT70 Hyd. Head	1	+HD_CTL/4.401
ECU2	Bed ECU	078030-4	ECU Assy, LT70 Hyd. Bed	1	+BD_CTL/11.1101
ECU3	Operator ECU	078029-4	ECU Assy, LT70 Hyd. Operator	1	+OP_CTL/18.1801
F1	Main Fuse	053339	MEGA Fuse 225A	1	+HD_CTL/1.101
F3	Bed Ignition Power Fuse	024317-15	Fuse, 15A Mini Blade Blue	1	+HD_CTL/2.207
F4	ECU2 Power Fuse	024317-10	Fuse, 10A Mini Blade Red	1	+BD_CTL/17.1706
F5	ECU3 Power Fuse	024317-2	Fuse, 2A Mini Blade Grey	1	+OP_CTL/24.2406
F6	CAN Port Fuse	024317-2	Fuse, 2A Mini Blade Grey	1	+OP_CTL/27.2709
F7	Engine Harness Power Fuse	024150-10	Fuse, 10A ATO Blade Red	1	+HD_CTL/1.103
F8	Ign Solenoid/Starter Control Relay Fuse	024150-5	Fuse, 5A ATO Blade Tan	1	+HD_CTL/1.105
F9	24VDC Converter Supply Fuse	024150-4	Fuse, 4A ATO Blade Pink	1	+HD_CTL/3.305
F10	Lube Pump Motor Fuse	024150-4	Fuse, 4A ATO Blade Pink	1	+HD_CTL/1.118
F11	ECU1 Backup Power Fuse	024150-3	Fuse, 3A ATO Blade Purple	1	+HD_CTL/6.617
F12	Engine Harness Ignition Power Fuse	024150-15	Fuse, 15A ATO Blade Blue	1	+HD_CTL/2.202
F13	Starter Solenoid Fuse	024150-15	Fuse, 15A ATO Blade Blue	1	+HD_CTL/2.203
F14	Main Ignition Power Fuse	024150-30	Fuse, 30A ATO Blade Green	1	+HD_CTL/2.207
F15	ECU1 Power Fuse 1	024150-5	Fuse, 5A ATO Blade Tan	1	+HD_CTL/10.1006
F16	ECU1 Power Fuse 2	024150-5	Fuse, 5A ATO Blade Tan	1	+HD_CTL/10.1008
G1	Battery	025841	Battery, Deka 8A31DTM AGM 12V	1	+HD_CTL/1.101
G4	12V to 24V Converter	078427	Converter, 12VDC to 24VDC 25W 1A	1	+HD_CTL/3.305
HM1	Hour Meter	015401	Digital Meter, Hour Rect Mount w/Gasket	1	+OP_CTL/21.2106
HMI1	HMI	078031-9	HMI Assy, LT70 Hyd.	1	+OP_CTL/25.2501
JS1	Left Joystick	078360	Joystick, 4-Button w/4-Way Switch	1	+OP_CTL/18.1801
JS2	Right Joystick	078360	Joystick, 4-Button w/4-Way Switch	1	+OP_CTL/20.2001
K1	Ignition Solenoid	078091	Solenoid, 150A 12 SPST Cont. Duty IP66	1	+HD_CTL/1.113
K2	Debarker ECU Power Relay	078121	Relay, 1CO 12VDC 16A Clmp DIN	1	+HD_CTL/5.508
L1	Debarker Warning Light	073555	Lamp Assy, 180 Degree Amber Strobe	1	+HD_CTL/1.115
LAS1	Laser	073700	Laser, 20mW 638nm 90 Deg RED Line Z-Laser	1	+HD_CTL/3.302
M2	Debarker Motor	023688	Motor, 3/4HP 12VDC TEFC Leeson, MKII	1	+HD_CTL/1.116
M3	Lube Pump Motor	053431	Pump Assy, Lube-Mizer DCS	1	+HD_CTL/1.118
M4	Auto-Clutch Motor	053428	Motor Assy, DCS Autoclutch	1	+HD_CTL/2.212
M5	Blade Guide Motor	079223	Motor Assy, 1/30HP 12V Gear w/ Deutsch	1	+HD_CTL/2.214
M6	Debarker In/Out Motor	114024	Assy, LT70 Super Debarker In/Ou w/BR	1	+HD_CTL/2.216
PB1	E-Stop Push-Button	068950	Collar, Mount 1NC ZB5	1	+HD_CTL/1.107
PB1	=	068940	Pushbutton Head, 22mm E-Stop Twist-Pull	1	+HD_CTL/1.107
R1	Ignition Solenoid Voltage Drop Resistor	024451	Wire Assy, Hyd Solenoid Voltage Drop	1	+HD_CTL/1.113
R4	CAN Bus Terminating Resistor	078064	Connector, 2P CAN Term Recp Deutsch	1	+OP_CTL/27.2712
S1	Key Switch	068950	Collar, Mount 1NC ZB5	1	+HD_CTL/1.109
S1	=	068920	Contact Block, NO ZB5	1	+HD_CTL/1.109
S1	=	068941	Switch, Key 3Pos Mom R-C	1	+HD_CTL/1.109
S2	Hydraulic Oil Temperature Switch	078225	Switch, Fluid 170 Deg F 1/2NPT Deutsch	1	+HD_CTL/5.512



**Wood-Mizer®**

Project Description: LT70 Super Hydraulic Mill

Revision:	A5.20	Pg Desc:	Parts list
Mounting Location:	+Docs/E1	Type:	Parts list
Prev. pg:	+ENG/30	Page:	E1
		Next pg:	E2
		Total Pgs:	50



# Terminal line-up diagram

**Terminal strip +HD\_CTL-X1**

Terminal				Jumper		End Plate	Remark	Terminal X-Ref
Ref. Des.	Level	P/N	Description	Diagram	P/N	P/N		
TB1	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•		068102		/6.11
TB2	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				/6.12
TB3	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				/7.11
TB4	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				/7.12
TB5	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				/5.08
TB6	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				/5.12



**Wood-Mizer®**

Project Description: LT70 Super Hydraulic Mill

Revision: A5.20 Pg Desc: Terminal line-up diagram

Mounting Location: +Docs/F1 Type: Terminal line-up diagram

Prev. pg: E2 Page: F1 Next pg: F2 Total Pgs: 50

# Terminal line-up diagram

## Terminal strip +HD\_CTL-X2

Terminal				Jumper		End Plate	Remark	Terminal X-Ref
Ref. Des.	Level	P/N	Description	Diagram	P/N	P/N		
TB1	0		Terminal Block, 2Pos 16mm GND Clamp	●	068121	068112	2 Position Step Down Jumper Between TB1-2	/1.16
TB2	0	068107	Terminal Block, 2Pos 4mm GND Clamp	●	068113	068108	Jumper Is Trimmed Down To 5 Position Between TB2-6	/3.07
TB3	0	068104	Terminal Block, 4pos 1.5mm GND Clamp	●		068105		/1.18
TB4	0	068104	Terminal Block, 4pos 1.5mm GND Clamp	●				/2.14
TB5	0	068104	Terminal Block, 4pos 1.5mm GND Clamp	●				/2.17
TB6	0	068104	Terminal Block, 4pos 1.5mm GND Clamp	●				/3.02
TB7	0	068122	Terminal Block, Fuse Auto 12V Ind Clamp	●	068124	068123	2 Position Jumper Between TB7-8	/1.03
TB8	0	068122	Terminal Block, Fuse Auto 12V Ind Clamp	●				/1.05
TB9	0	068122	Terminal Block, Fuse Auto 12V Ind Clamp	●	068124	068123	2 Position Jumper Between TB9-10	/3.05
TB10	0	068122	Terminal Block, Fuse Auto 12V Ind Clamp	●	068124		2 Position Jumper Between TB10-11	/1.18
TB11	0	068122	Terminal Block, Fuse Auto 12V Ind Clamp	●	068124		2 Position Jumper Between TB11-12	/6.17
TB12	0	068122	Terminal Block, Fuse Auto 12V Ind Clamp	●	068124		2 Position Jumper Between TB12-13	/2.02
TB13	0	068122	Terminal Block, Fuse Auto 12V Ind Clamp	●	068124		2 Position Jumper Between TB13-14	/2.03
TB14	0	068122	Terminal Block, Fuse Auto 12V Ind Clamp	●				/2.07
TB15	0	068122	Terminal Block, Fuse Auto 12V Ind Clamp	●	068124	068123	2 Position Jumper Between TB15-16	/10.06
TB16	0	068122	Terminal Block, Fuse Auto 12V Ind Clamp	●				/10.08
TB17	0	068103	Terminal Block, 4pos 1.5mm Com Clamp	●	068113	068105	2 Position Jumper Between TB17-18	/3.06
TB18	0	068103	Terminal Block, 4pos 1.5mm Com Clamp	●				/7.11
TB19	0	068103	Terminal Block, 4pos 1.5mm Com Clamp	•		068105		/10.03
TB20	0	068103	Terminal Block, 4pos 1.5mm Com Clamp	•		068105		/10.09



**Wood-Mizer®**

Project Description: LT70 Super Hydraulic Mill

Revision: A5.20 Pg Desc: Terminal line-up diagram

Mounting Location: +Docs/F2 Type: Terminal line-up diagram

Prev. pg: F1 Page: F2 Next pg: F3 Total Pgs: 50



# Terminal line-up diagram

## Terminal strip +BD\_CTL-X3

Terminal				Jumper		End Plate	Remark	Terminal X-Ref
Ref. Des.	Level	P/N	Description	Diagram	P/N	P/N		
TB1	0	068104	Terminal Block, 4pos 1.5mm GND Clamp		068113	068105	Jumper Is Trimmed Down To 2 Position Between TB1-2	/17.02
TB2	0	068104	Terminal Block, 4pos 1.5mm GND Clamp					/17.04
TB3	0	068138	Terminal Block, Fuse Mini 12V 4Pos Clamp		068114	068139	Jumper Is Trimmed Down To 2 Position Between TB3-4	+HD_CTL/2.07
TB4	0	068138	Terminal Block, Fuse Mini 12V 4Pos Clamp					/17.06
TB5	0	068103	Terminal Block, 4pos 1.5mm Com Clamp		068113	068105	Jumper Is Trimmed Down To 5 Position Between TB5-9	/11.14
TB6	0	068103	Terminal Block, 4pos 1.5mm Com Clamp					/11.15
TB7	0	068103	Terminal Block, 4pos 1.5mm Com Clamp					/11.17
TB8	0	068103	Terminal Block, 4pos 1.5mm Com Clamp					/11.12
TB9	0	068103	Terminal Block, 4pos 1.5mm Com Clamp					/12.05
TB10	0	068103	Terminal Block, 4pos 1.5mm Com Clamp	•		068105		/17.11
TB11	0	068103	Terminal Block, 4pos 1.5mm Com Clamp	•		068105		/17.09
TB12	0	068103	Terminal Block, 4pos 1.5mm Com Clamp	•		068105		+HD_CTL/1.05
TB13	0	068103	Terminal Block, 4pos 1.5mm Com Clamp	•				+HD_CTL/1.07
TB14	0	068103	Terminal Block, 4pos 1.5mm Com Clamp	•				+HD_CTL/3.13
TB15	0	068103	Terminal Block, 4pos 1.5mm Com Clamp	•				+HD_CTL/1.09



**Wood-Mizer®**

Project Description: LT70 Super Hydraulic Mill

Revision: A5.20 Pg Desc: Terminal line-up diagram

Mounting Location: +Docs/F3 Type: Terminal line-up diagram

Prev. pg: F2 Page: F3 Next pg: F4 Total Pgs: 50




# Terminal line-up diagram

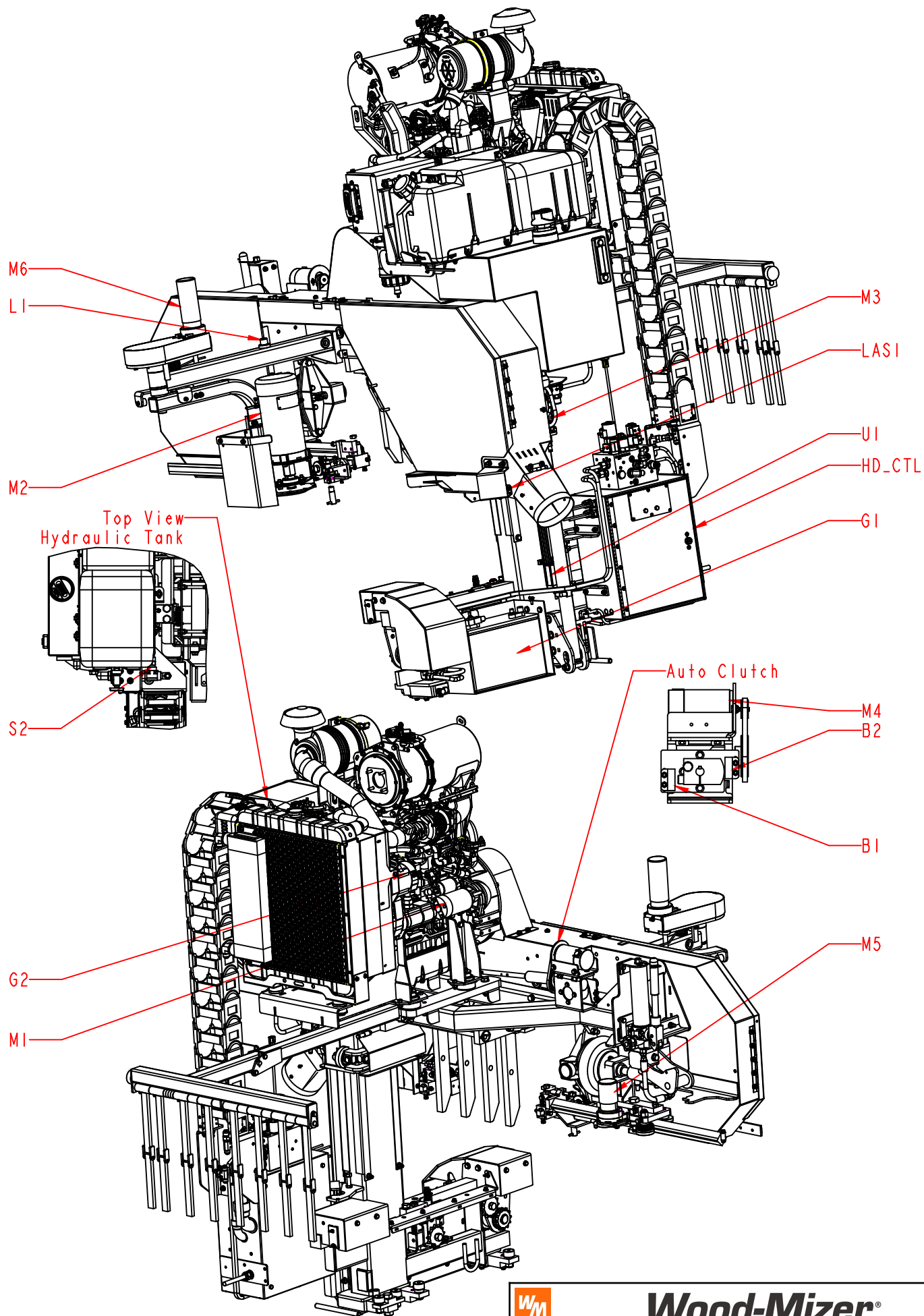
## Terminal strip +OP\_CTL-X4

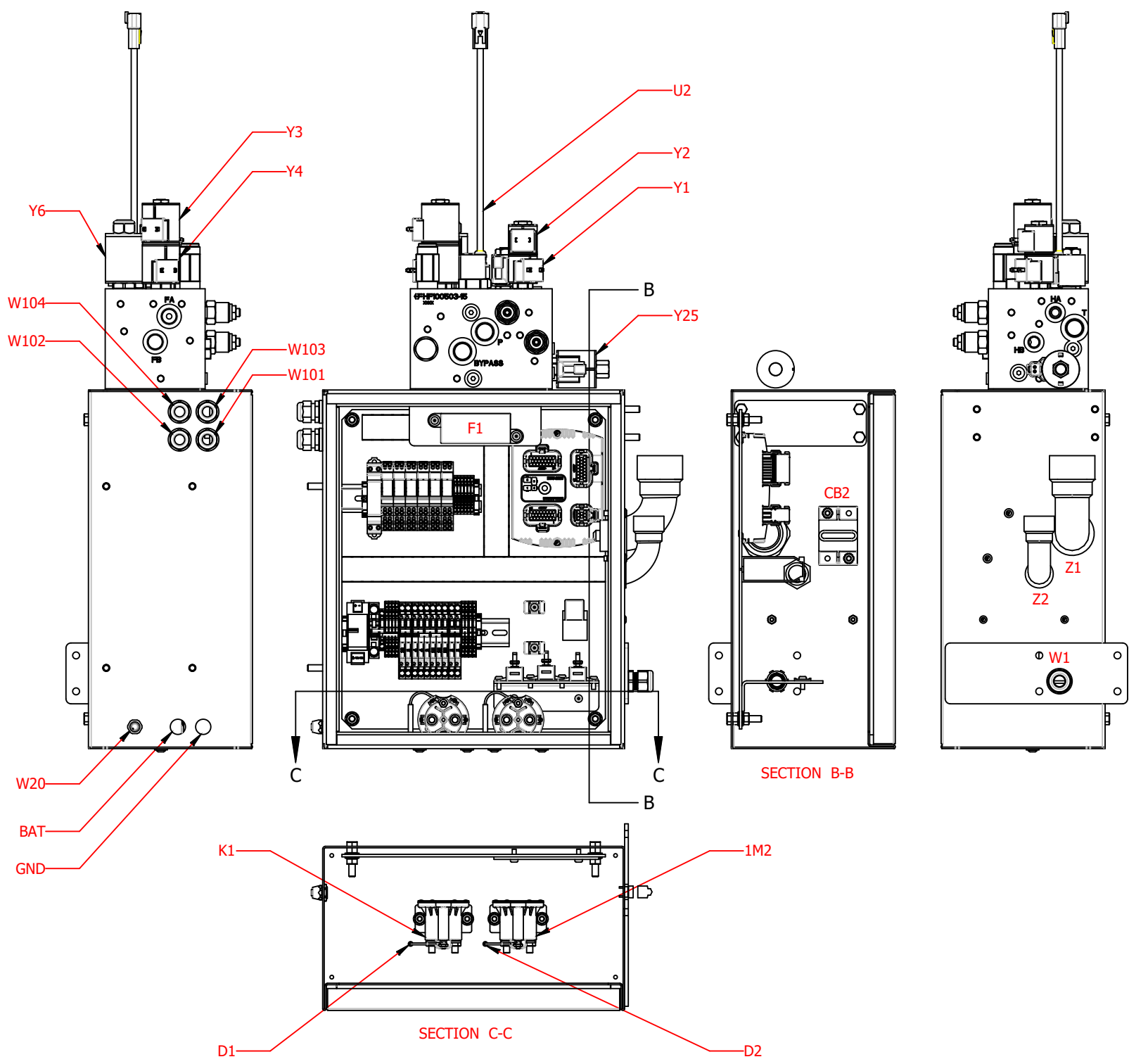
Terminal				Jumper		End Plate	Remark	Terminal X-Ref
Ref. Des.	Level	P/N	Description	Diagram	P/N	P/N		
TB1	0	068104	Terminal Block, 4pos 1.5mm GND Clamp		068113	068105	Jumper Is Trimmed Down To 3 Position Between TB1-3	+BD_CTL/17.04
TB2	0	068104	Terminal Block, 4pos 1.5mm GND Clamp					/24.02
TB3	0	068104	Terminal Block, 4pos 1.5mm GND Clamp					/27.10
TB4	0	068103	Terminal Block, 4pos 1.5mm Com Clamp			068105		+HD_CTL/1.05
TB5	0	068138	Terminal Block, Fuse Mini 12V 4Pos Clamp					/24.06
TB6	0	068138	Terminal Block, Fuse Mini 12V 4Pos Clamp					/25.02
TB7	0	068103	Terminal Block, 4pos 1.5mm Com Clamp			068105		+HD_CTL/3.13
TB8	0	068103	Terminal Block, 4pos 1.5mm Com Clamp		068113	068105	Jumper Is Trimmed Down To 2 Position Between TB8-9	/24.03
TB9	0	068103	Terminal Block, 4pos 1.5mm Com Clamp					/27.11
TB10	0	068103	Terminal Block, 4pos 1.5mm Com Clamp		068113	068105	Jumper Is Trimmed Down To 2 Position Between TB10-11	/24.09
TB11	0	068103	Terminal Block, 4pos 1.5mm Com Clamp					/27.11
TB12	0	068126	Terminal Block, 1C/1P 1.5mm Carrier			068127		/25.02
TB13	0	068126	Terminal Block, 1C/1P 1.5mm Carrier					/25.03
TB14	0	068126	Terminal Block, 1C/1P 1.5mm Carrier				Jumper is Trimmed Down To 2 Position Between TB14-15	/25.05
TB15	0	068126	Terminal Block, 1C/1P 1.5mm Carrier					/25.06
TB16	0	068126	Terminal Block, 1C/1P 1.5mm Carrier					/25.12
TB17	0	068126	Terminal Block, 1C/1P 1.5mm Carrier					/25.14
TB18	0	068126	Terminal Block, 1C/1P 1.5mm Carrier					/25.19
TB19	0	068126	Terminal Block, 1C/1P 1.5mm Carrier					/26.02
TB20	0	068126	Terminal Block, 1C/1P 1.5mm Carrier					/26.03
TB21	0	068126	Terminal Block, 1C/1P 1.5mm Carrier					/26.05
TB22	0	068126	Terminal Block, 1C/1P 1.5mm Carrier					/26.17

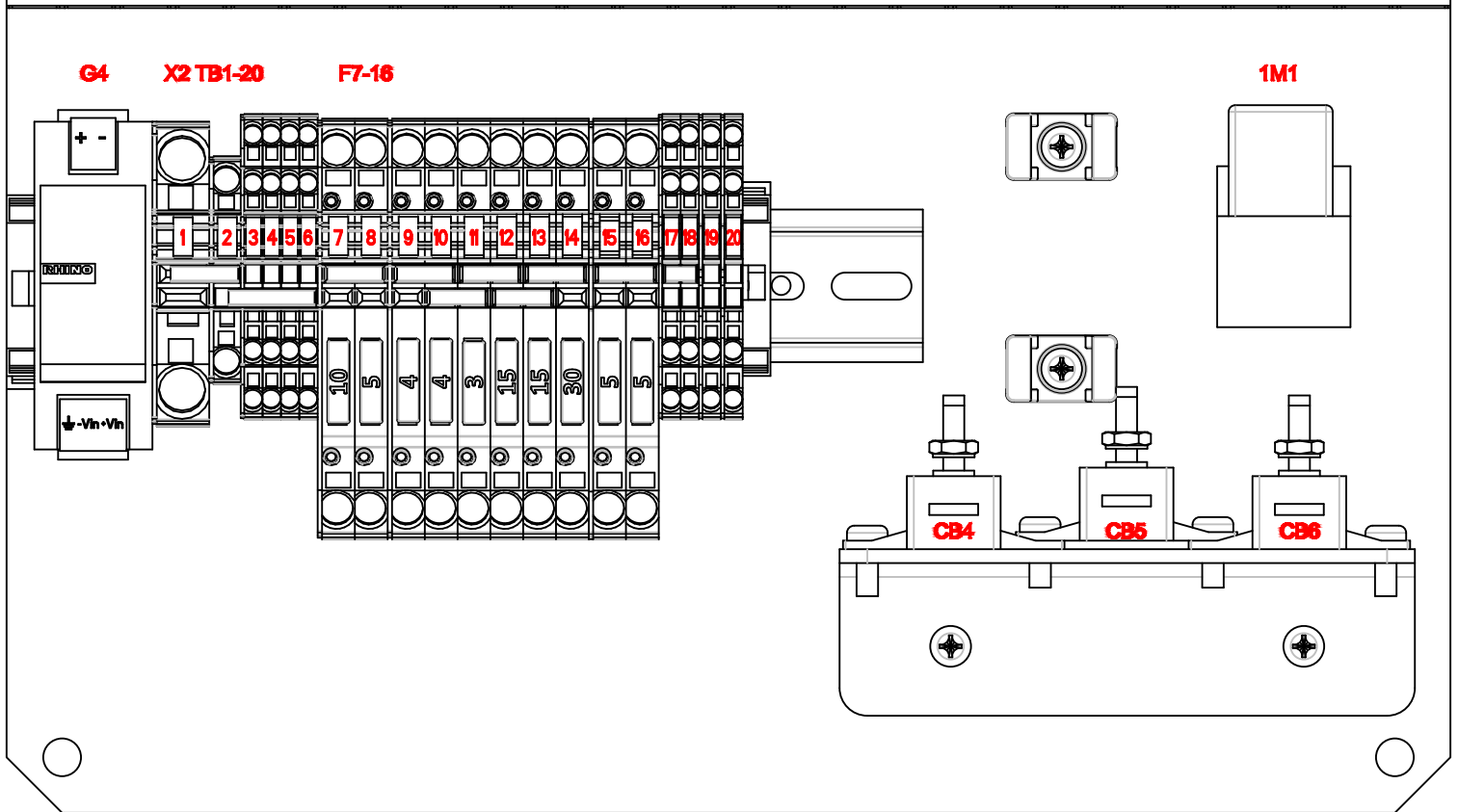
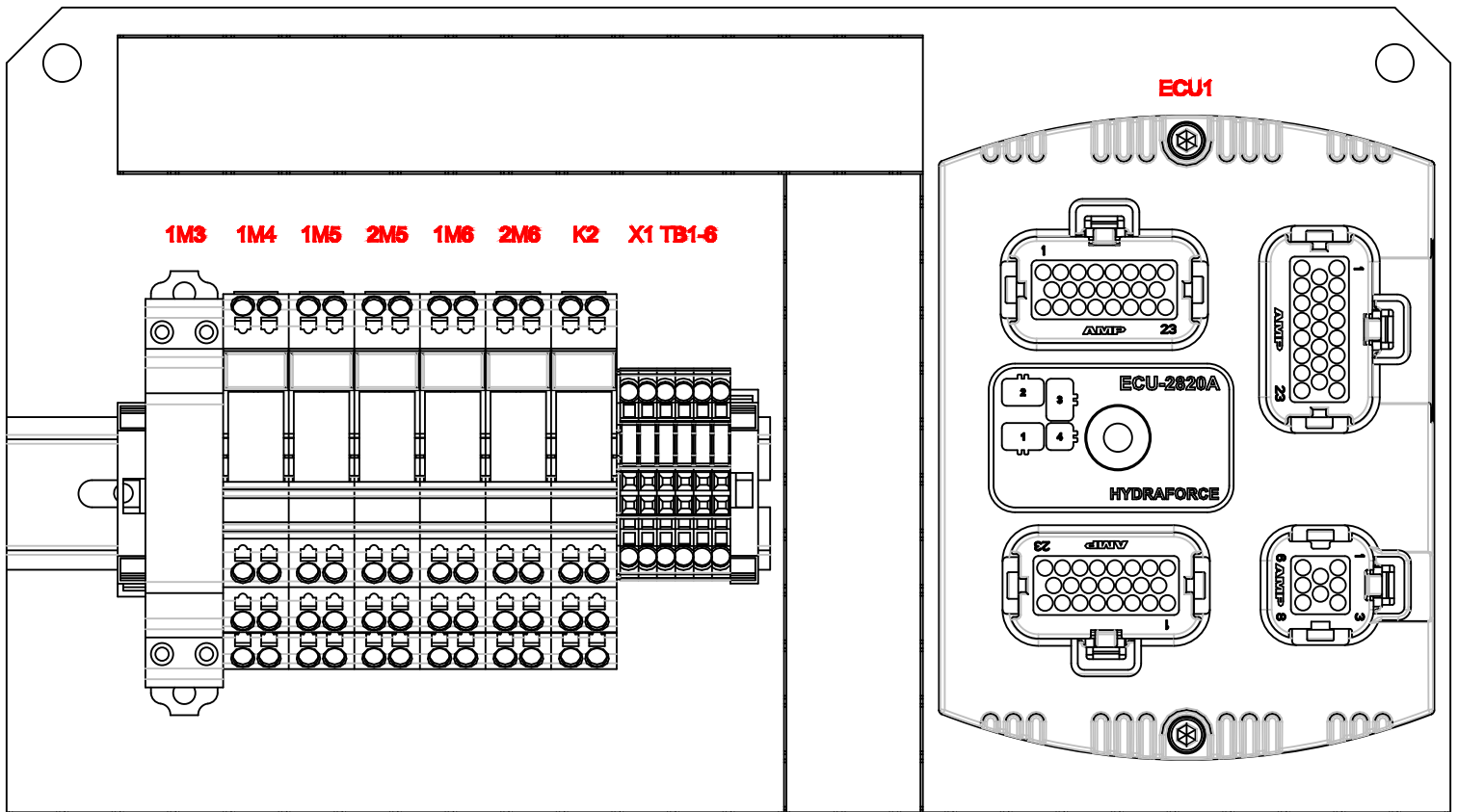
# Cable Overview

Cable Designation	Cable Part Number	Cable Description	Cable X-Ref
W20	078453	Cable Assy, LT70 Hyd. Transducer Int.	+HD_CTL/3.310
W101	078099	Cable Assy, LT70 Hyd. Head Dir Sol	+HD_CTL/4.402
W102	078098	Cable Assy, LT70 Hyd. Feed Dir Sol	+HD_CTL/4.405
W105	078102	Cable Assy, LT70 Hyd. Dump Sol	+BD_CTL/11.1102
W106	078103	Cable Assy, LT70 Hyd. Rear Toe Brd Sol	+BD_CTL/11.1103
W107	078104	Cable Assy, LT70 Hyd. Chain Trn Sol	+BD_CTL/11.1106
W108	078105	Cable Assy, LT70 Hyd. Clamp Up/Dn Sol	+BD_CTL/11.1112
W109	078106	Cable Assy, LT70 Hyd. Clamp In/Out Sol	+BD_CTL/12.1205
W110	078107	Cable Assy, LT70 Hyd. Sd Sup/Trn Sol	+BD_CTL/12.1208
W111	078108	Cable Assy, LT70 Hyd. Front Toe Brd Sol	+BD_CTL/12.1217
W112	078109	Cable Assy, LT70 Hyd. Loading Arms Sol	+BD_CTL/13.1303
W113	078110	Cable Assy, LT70 Hyd. Log Deck Sol	+BD_CTL/13.1309
W201	078039	Cable Assy, LT70 Hyd. Op CAN Port	+OP_CTL/27.2709
Z1	078429	Harness Assy, LT70 Hyd. Eng A T4	+HD_CTL/1.103
Z2	078430	Harness Assy, LT70 Hyd Eng B T4	+HD_CTL/3.302
Z10	078038	Harness Assy, LT70 Hyd. Op Int	+HD_CTL/1.104
Z21	078041	Harness Assy, LT70 Hyd. HMI	+OP_CTL/25.2502
Z101	078449	Harness Assy, LT70 Hyd. ECU1 P1	+HD_CTL/4.402
Z102	078428	Harness Assy, LT70 Hyd. ECU1 P2	+HD_CTL/6.602
Z104	078450	Harness Assy, LT70 Hyd. ECU1 P4	+HD_CTL/10.1002
Z201	078112	Harness Assy, LT70 Hyd. ECU2 P1	+BD_CTL/11.1102
Z202	078113	Harness Assy, LT70 Hyd. ECU2 P2	+BD_CTL/13.1302
Z204	078114	Harness Assy, LT70 Hyd. ECU2 P4	+BD_CTL/17.1702
Z301	078117	Harness Assy, LT70 Hyd. ECU3 P1	+OP_CTL/18.1802
Z302	078118	Harness Assy, LT70 Hyd. ECU3 P2	+OP_CTL/20.2002
Z304	078119	Harness Assy, LT70 Hyd. ECU3 P4	+OP_CTL/24.2402
W1	078452	Cable Assy, LT70 Hyd. CAN to Bed	+HD_CTL/2.207
W2	078115	Cable Assy, LT70 Hyd. CAN to OP Front	+HD_CTL/2.207
W3	078116	Cable Assy, LT70 Hyd. CAN to OP Back	+HD_CTL/2.209
W4	078123	Cable Assy, LT70 Hyd. Op to Bed	+HD_CTL/2.207
W114	078111	Cable Assy, LT70 Hyd. Bed Prop	+BD_CTL/13.1312
W5	078249	Cable Assy, LT70 Hyd. Laser	+HD_CTL/3.302
W103	078199	Cable Assy, Feed/Up/Down Prop	+HD_CTL/6.602
W104	078451	Cable Assy, LT70 Hyd Pressure/Relief	+HD_CTL/5.517
W301	078044	USB Assy, LT70 Hyd. Operator	+OP_CTL/25.2518

		<b>Wood-Mizer®</b>	
Project Description: LT70 Super Hydraulic Mill			
Revision:	A5.20	Pg Desc: Cable overview	
Mounting Location:	+Docs/G1	Type: Cable overview	
Prev. pg:	F4	Page:	G1
		Next pg:	H1
		Total Pgs:	50







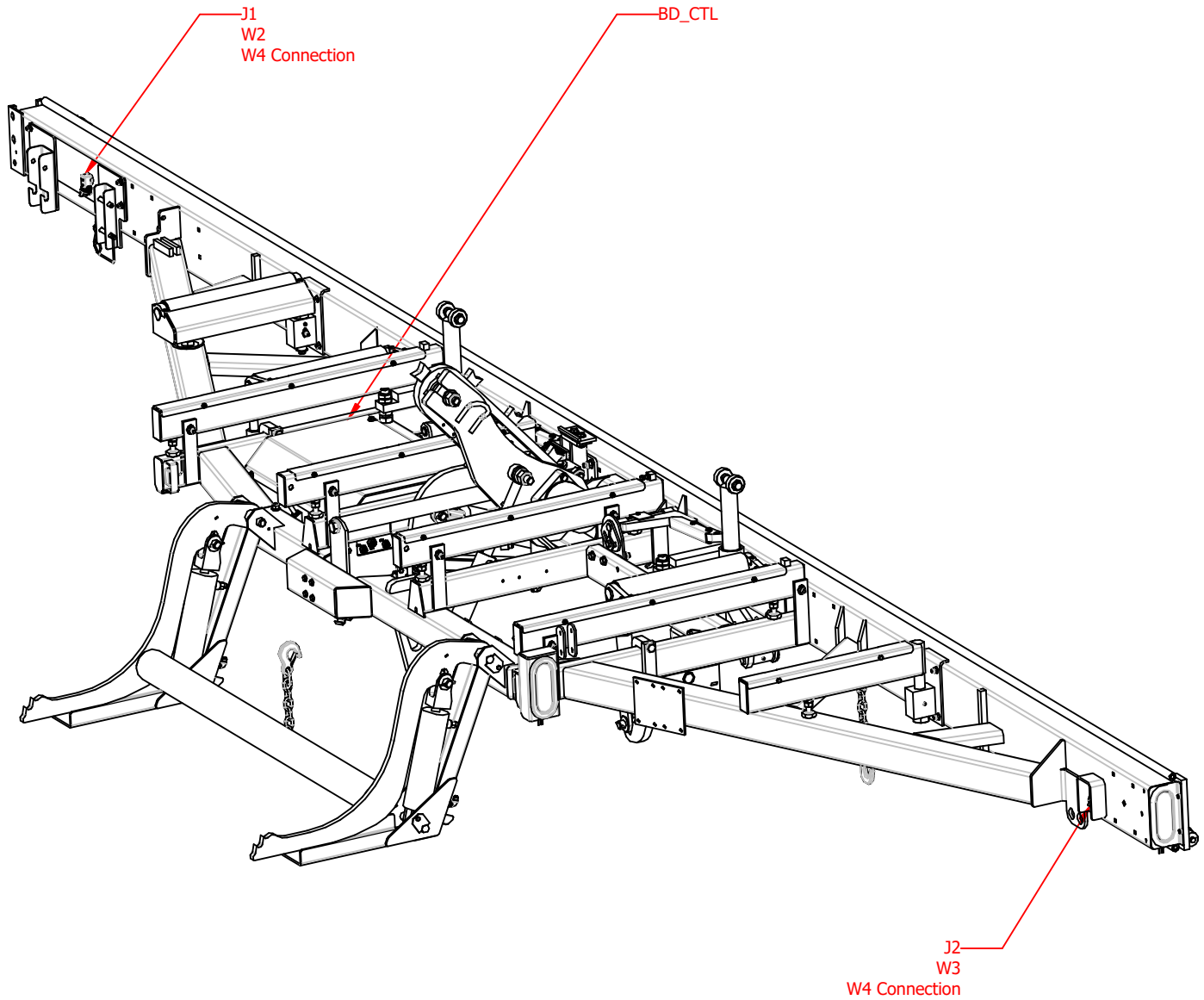
**Wood-Mizer®**

Project Description: LT70 Super Hydraulic Mill

Revision: A5.20 Pg Desc: Head Control Insert Layout

Mounting Location: +Docs/H3 Type: Panel layout

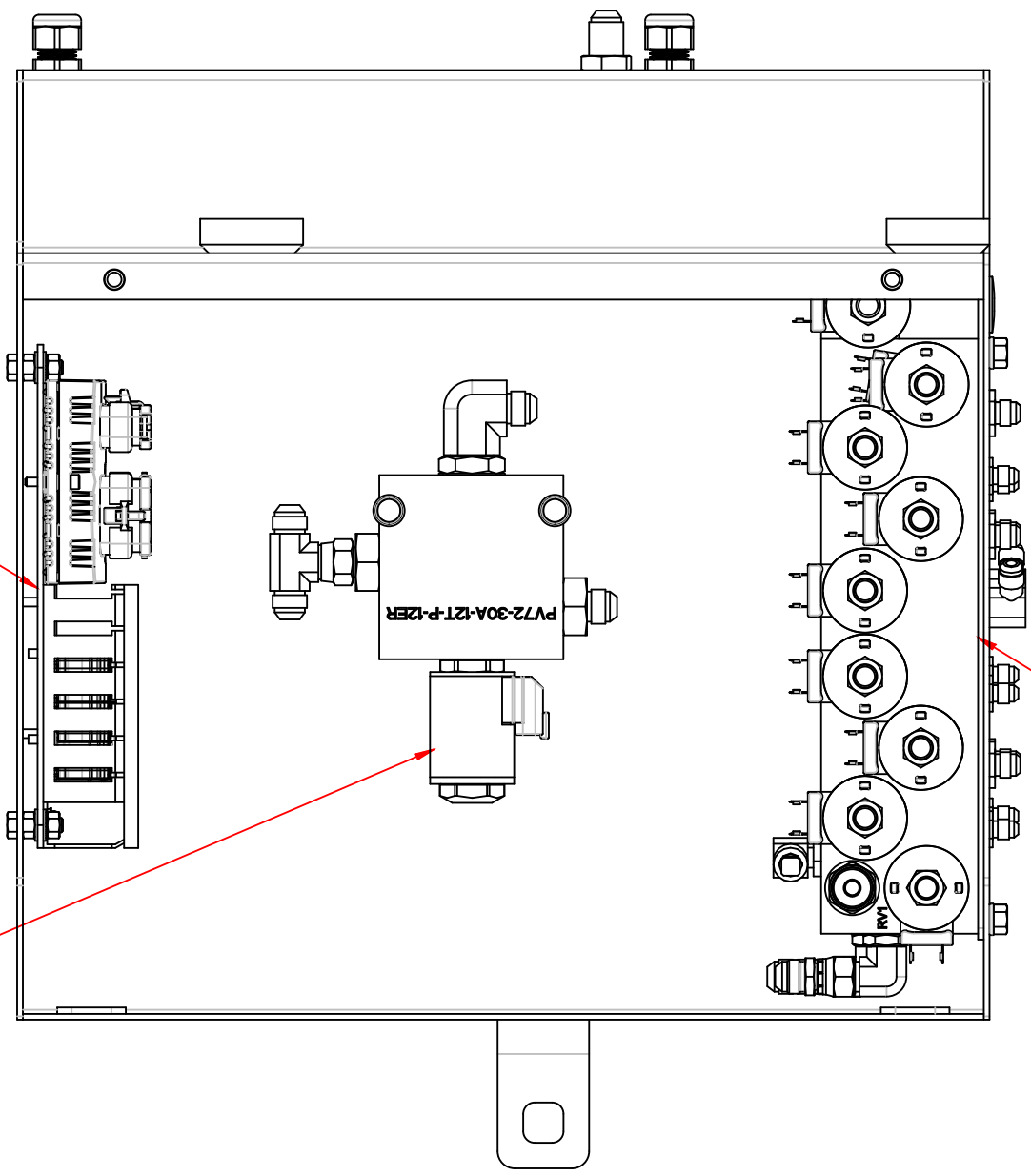
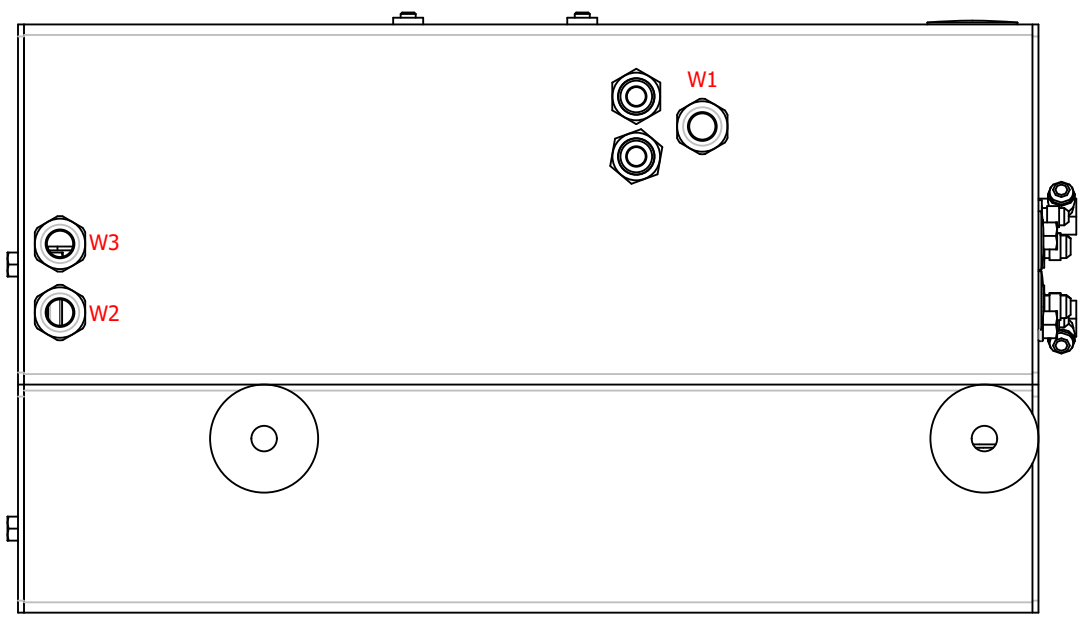
Prev. pg: H2 Page: H3 Next pg: H4 Total Pgs: 50



**Wood-Mizer®**

Project Description: LT70 Super Hydraulic Mill


Revision:	A5.20	Pg Desc:	Bed Layout
Mounting Location:	+Docs/H4	Type:	Panel layout
Prev. pg:	H3	Page:	H4
		Next pg:	H5
		Total Pgs:	50



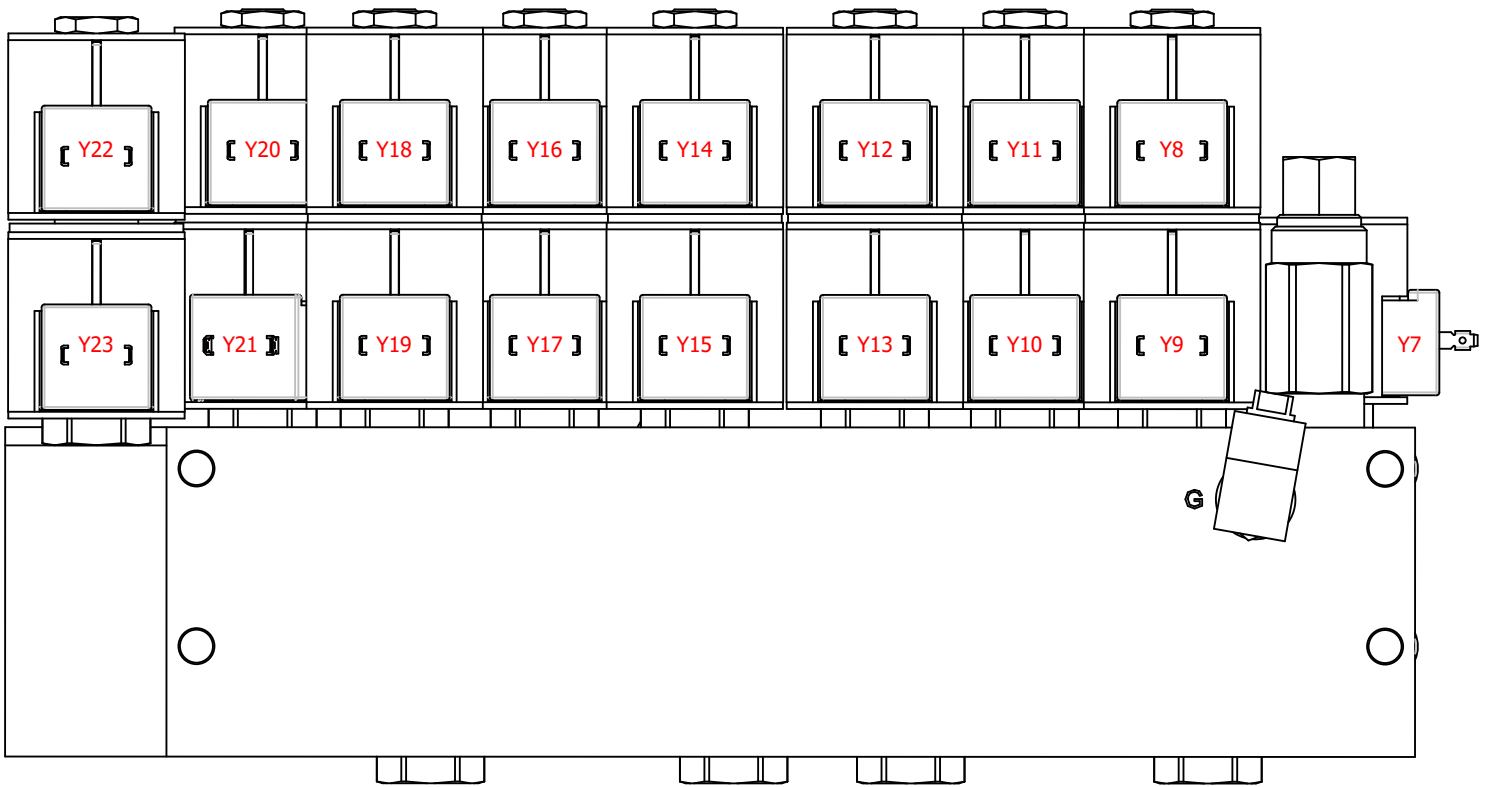
See  
Detail C

See  
Detail B

Y24

 <b>Wood-Mizer®</b>	
<b>Project Description: LT70 Super Hydraulic Mill</b>	
Revision: A5.20	Pg Desc: Bed Control Layout
Mounting Location: +Docs/H5	Type: Panel layout
Prev. pg: H4	Page: H5
Next pg: H6	Total Pgs: 50

## Detail B



**Wood-Mizer®**

Project Description: LT70 Super Hydraulic Mill

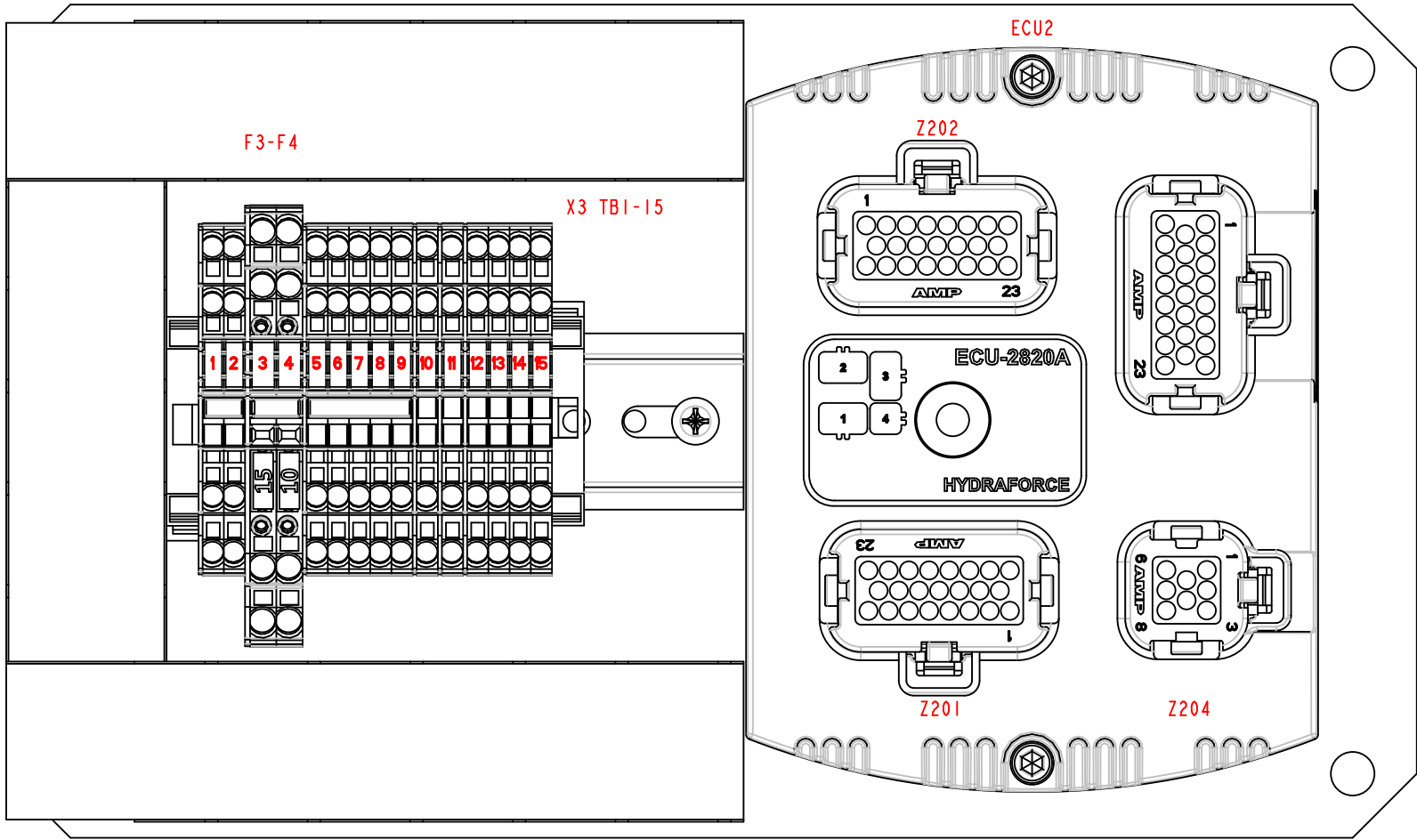
Revision: A5.20 Pg Desc: Bed Control Manifold Layout

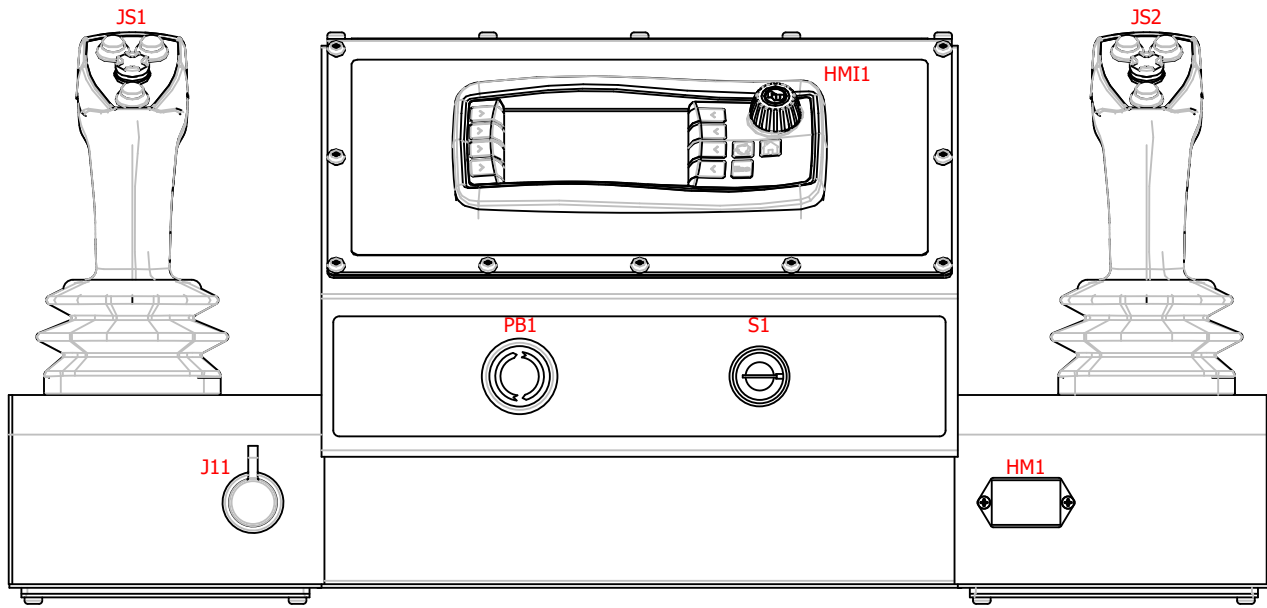
Mounting Location: +Docs/H6 Type: Panel layout

Prev. pg: H5 Page: H6 Next pg: H7 Total Pgs: 50

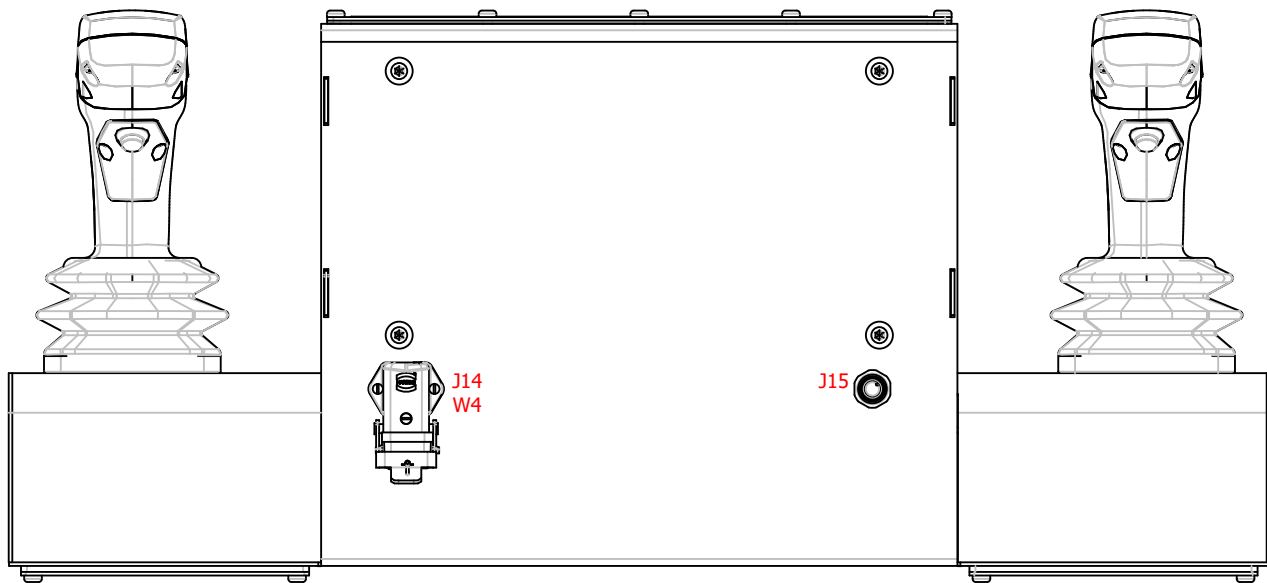


# Detail C





**INSIDE**



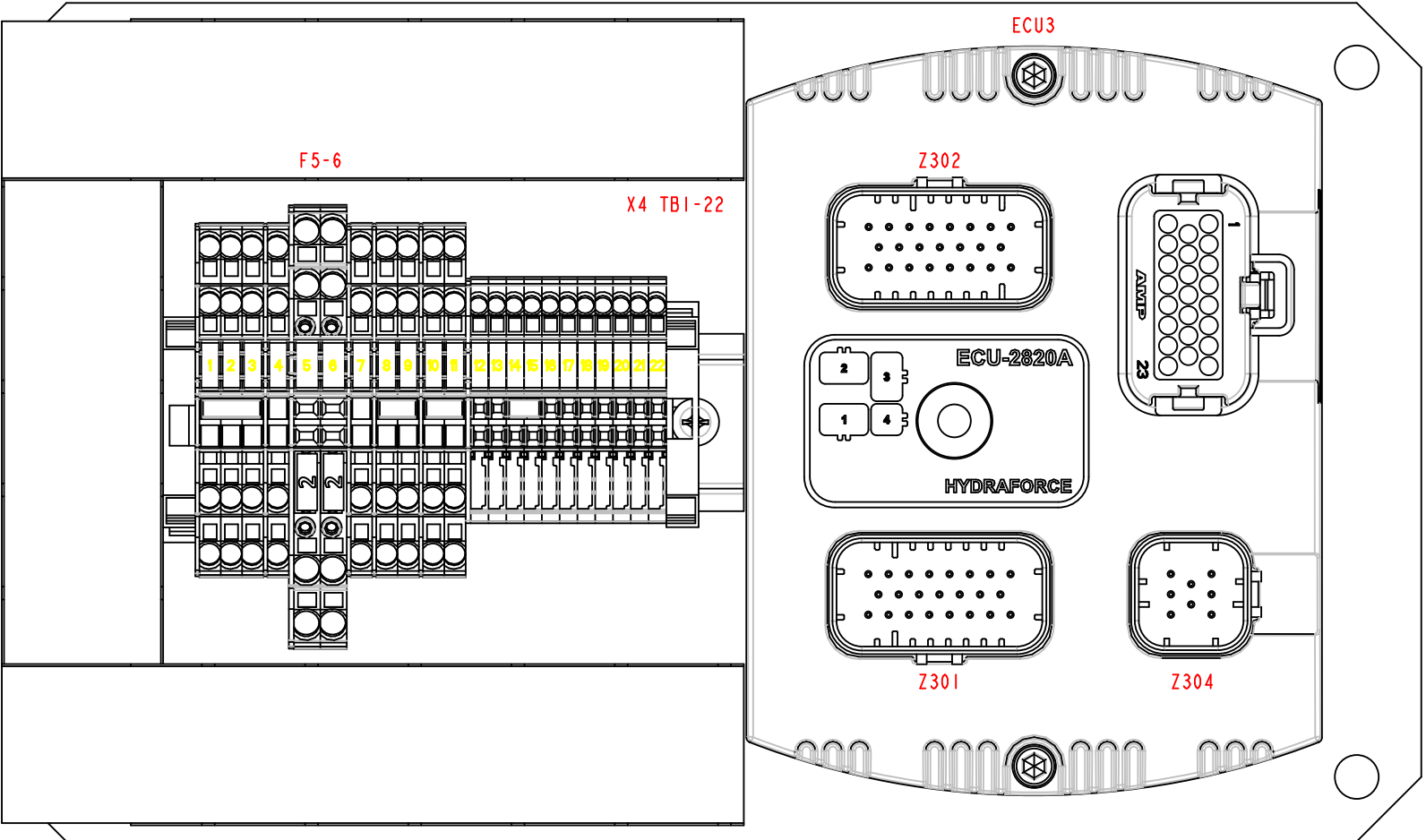
**Wood-Mizer®**

Project Description: LT70 Super Hydraulic Mill

Revision: A5.20 Pg Desc: Operator Control Layout

Mounting Location: +Docs/H8 Type: Panel layout

Prev. pg: H7 Page: H8 Next pg: H9 Total Pgs: 50



**Wood-Mizer®**

Project Description: LT70 Super Hydraulic Mill

Revision:	A5.20	Pg Desc:	Operator Control Insert Layout
Mounting Location:	+Docs/H9	Type:	Panel layout
Prev. pg:	H8	Page:	H9
Next pg:		Total Pgs:	50