



SR Drive System Schematics

Section 06-03-07

Komatsu has made every effort to make this manual as accurate as possible based on the information available at the time of publication and printing. Continuous improvement and advancement of product design may cause changes to machines which may not have been included in this publication. Komatsu reserves the right to make changes and improvements at any time. To ensure the most current information, please contact your service center.

Electrical Schematic

Cab Wiring Diagram LINCS II

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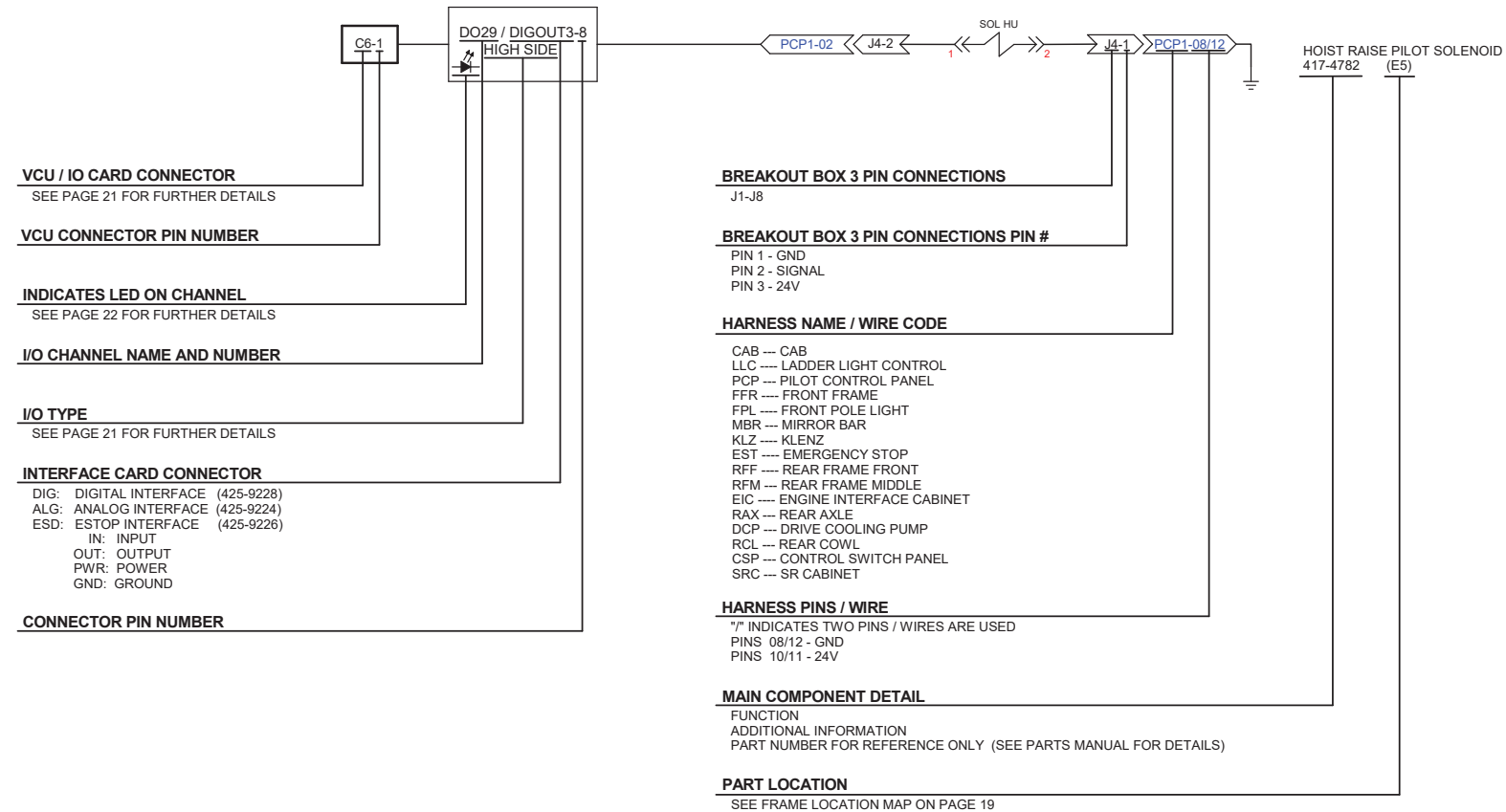
Electrical Schematics

TABLE OF CONTENTS

Title	Sheet
Table of Contents, Notes.....	1
24V Electrics	
Battery.....	2
Emergency Stop.....	2
Keyswitch.....	2
Park Brake.....	2
Human Machine Interface (HMI) / VCU Interface / Touch Screen.....	3
Speed Control Pedal.....	3
Wipers.....	3
Cooling Pumps.....	3
Lights and Alarms.....	4
Power Distribution.....	5
Dealer Options.....	6
Position Sensors.....	6
Speed Sensors.....	6
Drive System Interface.....	6
Spare I/O.....	7
Blank Page.....	8
CAN	
Keypad, Joysticks.....	9
Engine / Cooling Pump.....	9
Drive System.....	9
Air	
Switches.....	10
Transducers.....	10
Solenoids.....	10
Heaters.....	10
Hydraulics	
Switches.....	11
Transducers.....	11
Solenoids.....	11
Steering.....	11
Ladder.....	11
Blank Page.....	12
Engine	
DDEC IV & ADEC.....	13
Cummins QSK30 & QST38.....	14
Blank Page.....	15
Climate Control	16
Component Options	
Auxiliary Steer.....	17
Auxiliary Oil Cooler.....	17
Clamshell.....	17
Rear Vision Camera.....	17
Heaters (Cold Climate).....	17
Blank Page.....	18
Frame Location Map	19
Reference Information	
Wire Location Chart.....	20
Interface Cards / VCU.....	21
Digital Interface Card Status LEDs.....	22
LVCC Connectors.....	23
Common Cables.....	23
Connector Color Codes.....	23
Breakout Boxes.....	24

		REVISIONS				
DATE	REV	DESCRIPTION	EN	DATE	CHK	APP
	00	RELEASE	NL11-1011	6-02	FL	BAS BS
C2/B1	01	PCP1-02 WAS WHT/BLK; C6-1 WAS C6-8 AT DIG CARD	NL12-1909	8-27	FL	BS BS

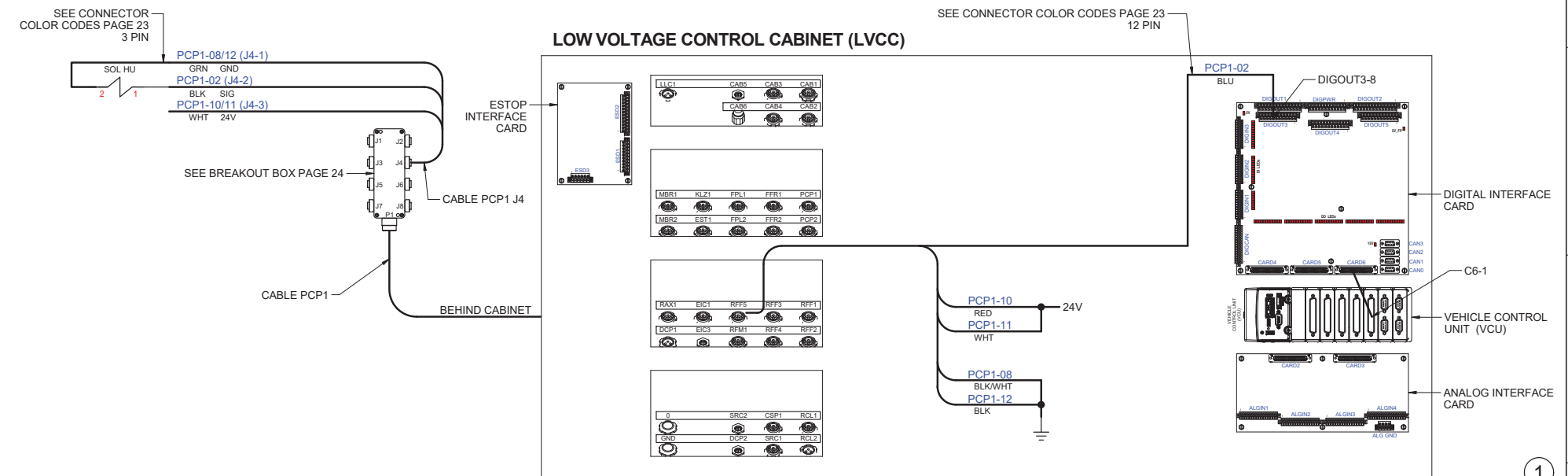
LEGEND



NOTES:

- COLOR CODE**
BLUE: WIRE CODE
RED: CONNECTION PIN
MAGENTA: MODEL SPECIFIC
- CROSS REFERENCE**
(01239)
SHEET NO. | LINE NO.
| COLUMN
- GROUND SYMBOLS**
⏏ GROUND IN LVCC
⏏ FRAME GROUND
- SEE NOTE(S) AT BOTTOM OF PAGE**
- POWER FLOWS LEFT TO RIGHT**
- OUTPUTS ON LEFT
- INPUTS ON RIGHT
- MACHINE STATE:**
- BATTERIES ISOLATED
- STARTER ISOLATED
- E-STOP NOT PRESSED
- PARK BRAKES ENGAGED
- ALL LIGHTS OFF
- LADDER DOWN
- KEYSWITCHES OFF
- KLENZ ENABLE
- FLUIDS FULL
- FUSES NOT BLOWN
- HV CABINET DOOR CLOSED

EXAMPLE CIRCUIT



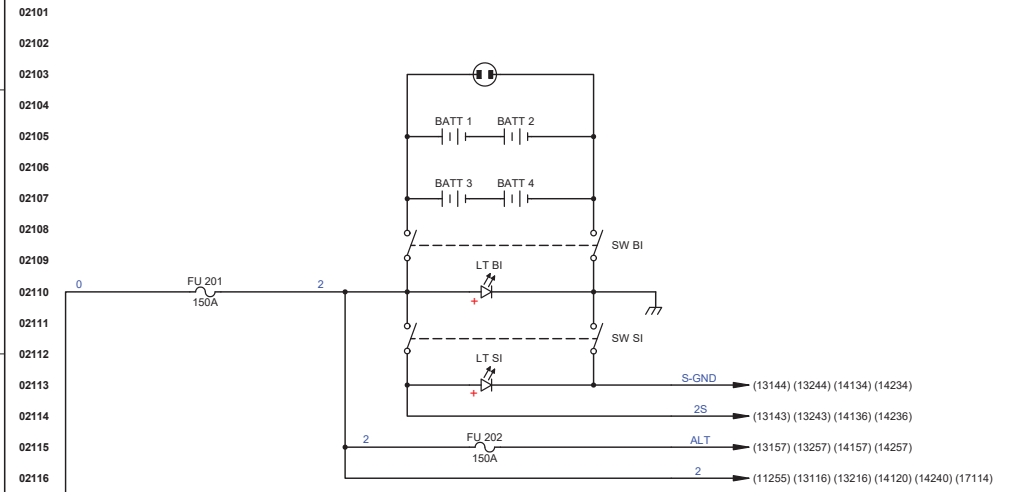
**OLD TEMPLATE
(WITH OLD E-STOP)**

THIS DRAWING AND ALL DATA THEREIN IS THE PROPERTY OF LETOURNEAU TECHNOLOGIES. IT IS CONFIDENTIAL AND MUST NOT BE COPIED, IT IS LOANED SUBJECT TO RETURN UPON DEMAND AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO OUR INTEREST.		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES & APPLY BEFORE PLATING OR FINISH COATINGS. TOLERANCES ON: ANGLES 11° FRACTIONS ±0.10 XX DECIMAL ±0.03 XXX DECIMAL ±0.015		FIRST USED ON CONTRACT NO.	
MACHINED CORNERS: 154 X 45 WELD PROPERTIES SHALL MEET THE MINIMUM REQUIREMENTS OF THE BASE MATERIAL.		THIRD ANGLE PROJECTION		LeTourneau Technologies™	
ENGR	CHK	DATE	DATE	ELECTRIC SCHEMATIC LINCS II	
ENGR	BAS	6-02-2011	5-27-2011	DO NOT SCALE	
PROJ ENGR	BS	6-02-2010		4266282	01
MATL				SCALE: NONE	SHEET 1 OF 24

24V ELECTRICS

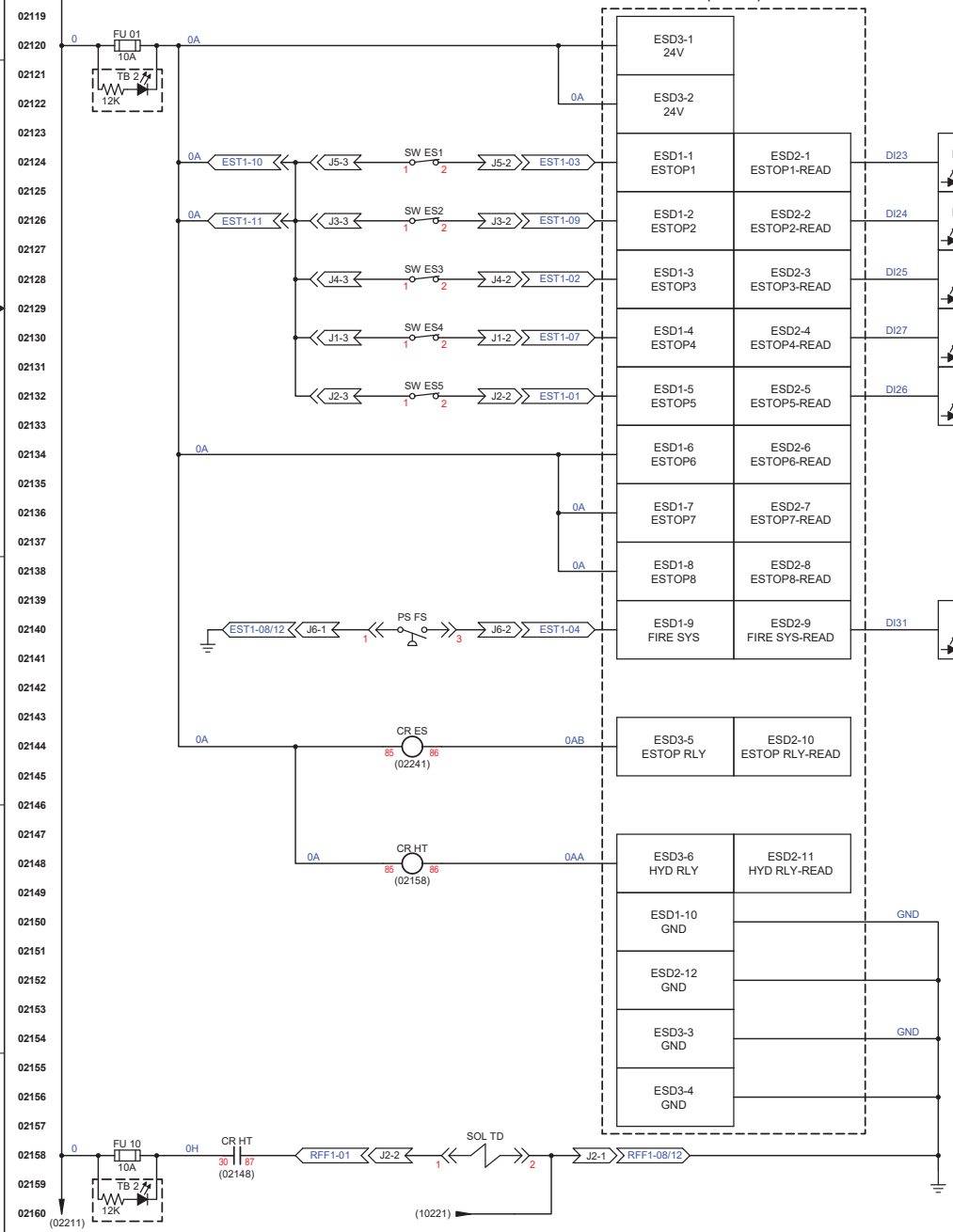
REVISIONS						
REV	DATE	DESCRIPTION	EN	CHK	APP	REV
00	6-02	RELEASE	NL11-1011	FL	BAS	BS
01	8-27	KEY SWITCH P/N WAS 423-2229	NL12-1909	FL	BS	BS

BATTERY



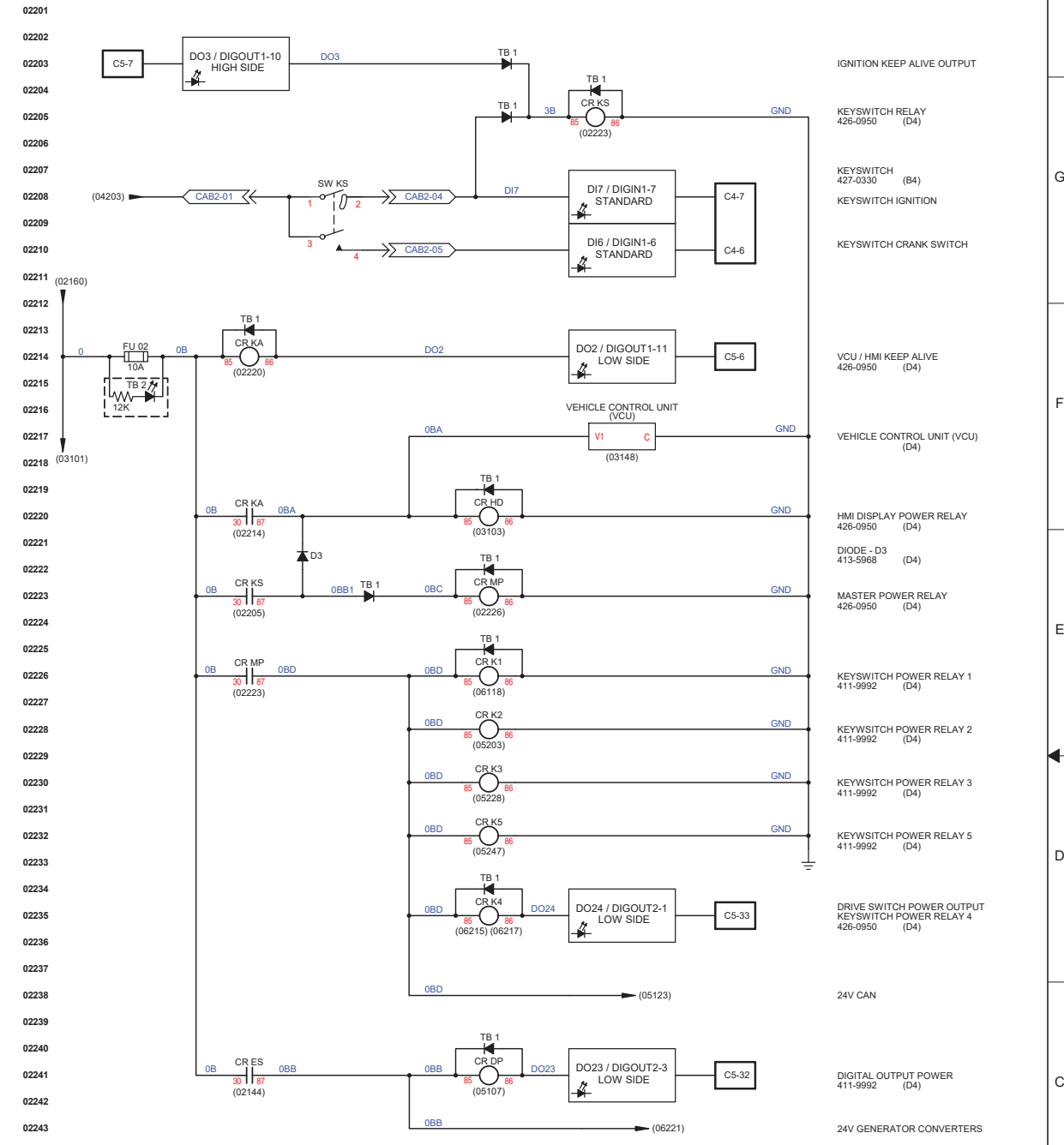
- BATTERY CHARGING SOCKET 416-3355 (D1)
- BATTERY 1 & 2
- BATTERY 3 & 4
- BATTERY ISOLATION SWITCH 426-7269 (D1)
- FU 201 425-9237 (E2)
LT BI 424-0049 (D1)
- STARTER ISOLATION SWITCH 426-7268 (D1)
- LT SI 424-0048 (D1)
- FU 202 425-9237 (E2)

EMERGENCY STOP



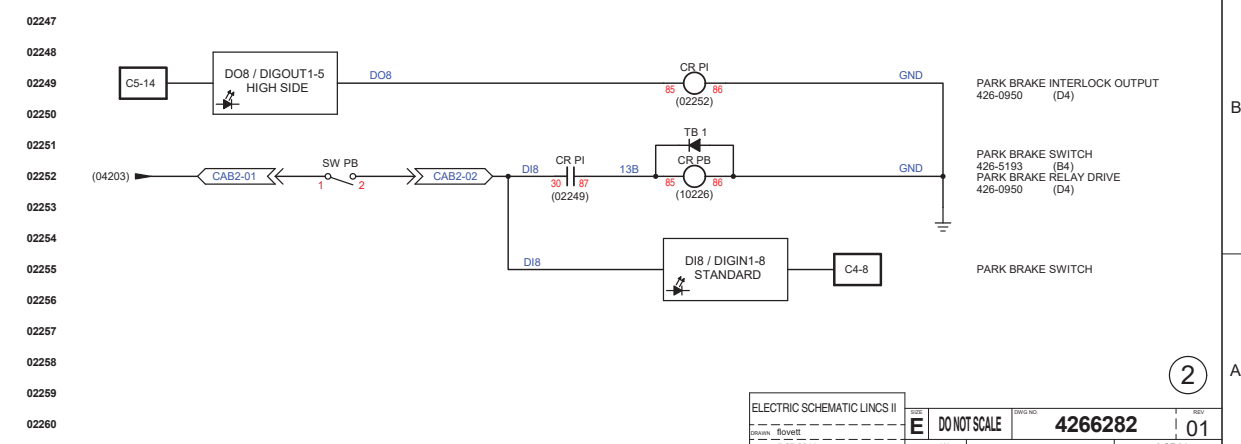
- CAB E-STOP SWITCH 426-5219 (B5)
- HV CABINET E-STOP SWITCH 425-7631 (C4)
- HYD RESERVOIR E-STOP SWITCH 425-7631 (F4)
- RIGHT REAR E-STOP SWITCH 425-7631 (E1)
- LEFT REAR E-STOP SWITCH 425-7631 (D1)
- FIRE SYSTEM STATUS 415-5057 (D4)
- E-STOP RELAY 426-0950 (D4)
- HYD TANK VENT VALVE RELAY 426-0950 (D4)
- HYD TANK DUMP 426-1177 (E4)

KEYSWITCH



- IGNITION KEEP ALIVE OUTPUT
- KEYSWITCH RELAY 426-0950 (D4)
- KEYSWITCH 427-0330 (B4)
- KEYSWITCH IGNITION
- KEYSWITCH CRANK SWITCH
- VCU / HMI KEEP ALIVE 426-0950 (D4)
- VEHICLE CONTROL UNIT (VCU) (D4)
- HMI DISPLAY POWER RELAY 426-0950 (D4)
- DIODE - D3 413-5968 (D4)
- MASTER POWER RELAY 426-0950 (D4)
- KEYSWITCH POWER RELAY 1 411-9992 (D4)
- KEYSWITCH POWER RELAY 2 411-9992 (D4)
- KEYSWITCH POWER RELAY 3 411-9992 (D4)
- KEYSWITCH POWER RELAY 5 411-9992 (D4)
- DRIVE SWITCH POWER OUTPUT KEYSWITCH POWER RELAY 4 426-0950 (D4)
- 24V CAN
- DIGITAL OUTPUT POWER 411-9992 (D4)
- 24V GENERATOR CONVERTERS

PARK BRAKE

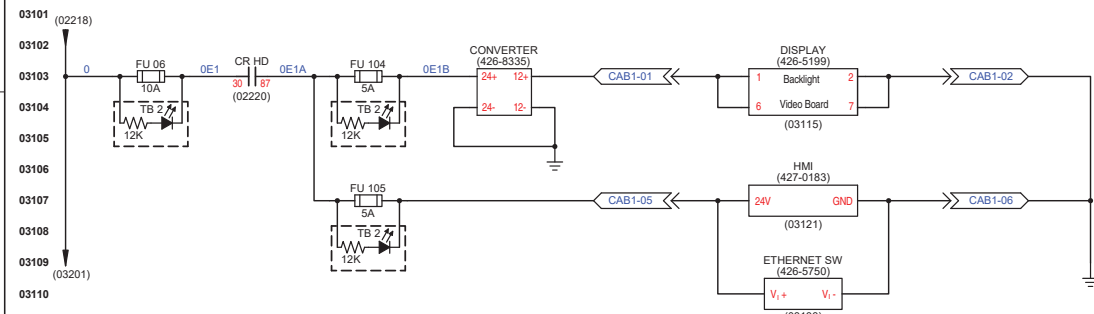


- PARK BRAKE INTERLOCK OUTPUT 426-0950 (D4)
- PARK BRAKE SWITCH 426-5193 (B4)
- PARK BRAKE RELAY DRIVE 426-0950 (D4)
- PARK BRAKE SWITCH

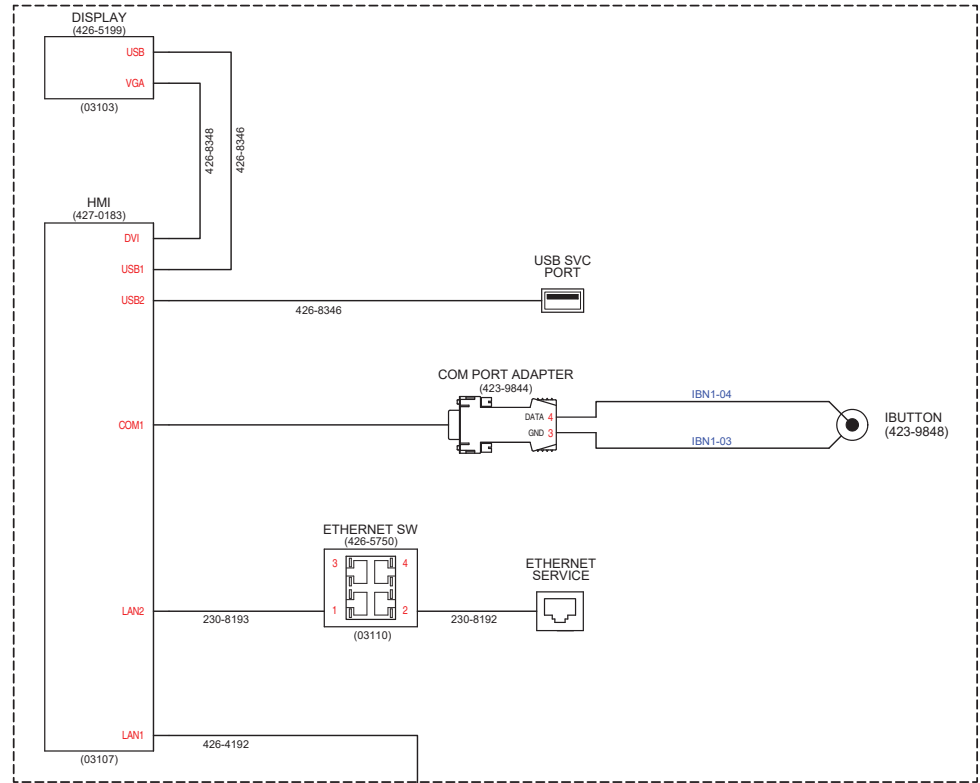
24V ELECTRICS

REVISIONS		EN	DATE	CHK	CHK	APP
00	RELEASE	NL11-1011	6-02	FL	BAS	BS
B1	01	ADD RESISTOR PART NO.	NL12-1909	8-27	FL	BS

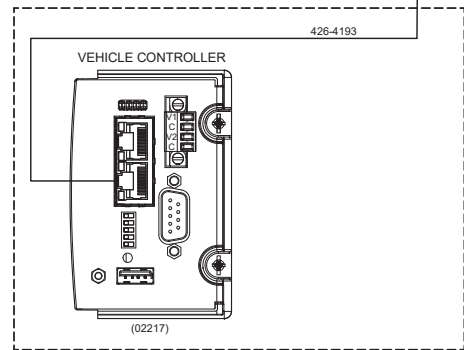
HUMAN MACHINE INTERFACE (HMI)



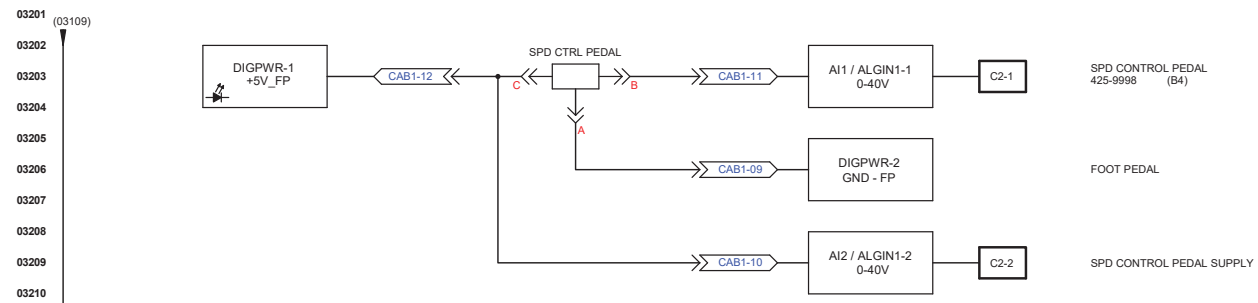
CAB



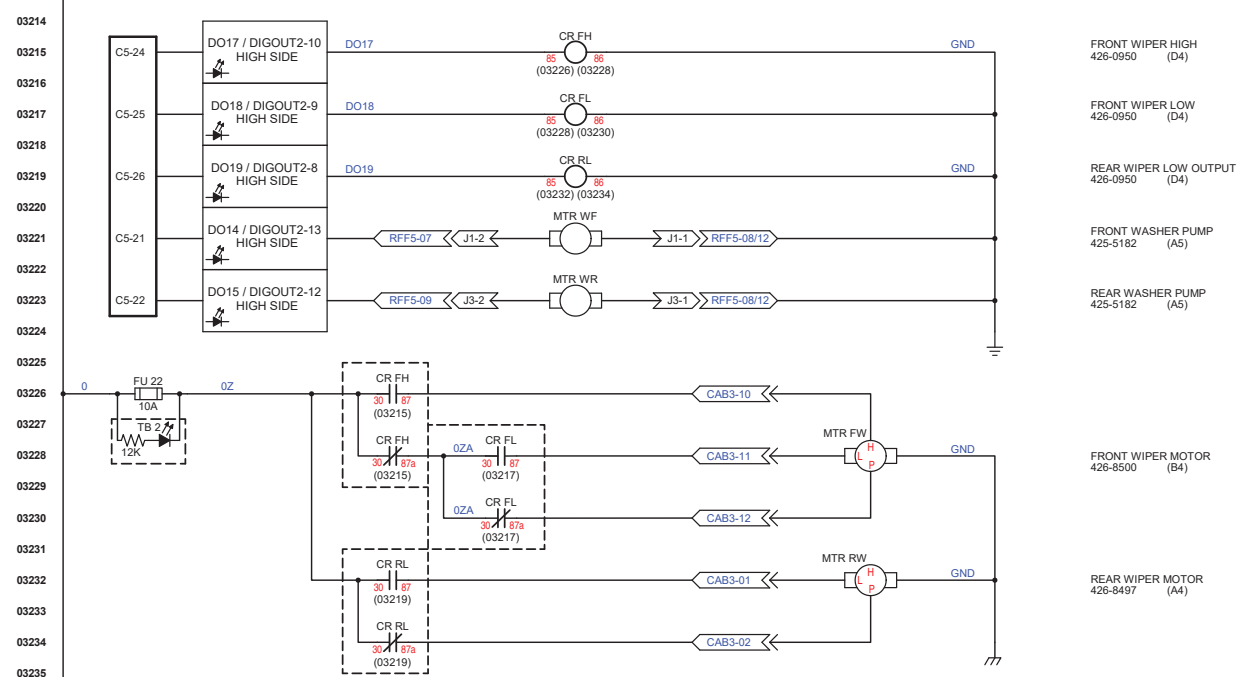
LOW VOLTAGE CONTROL CABINET (LVCC)



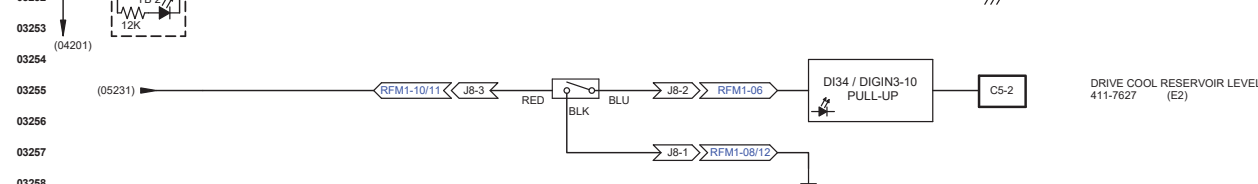
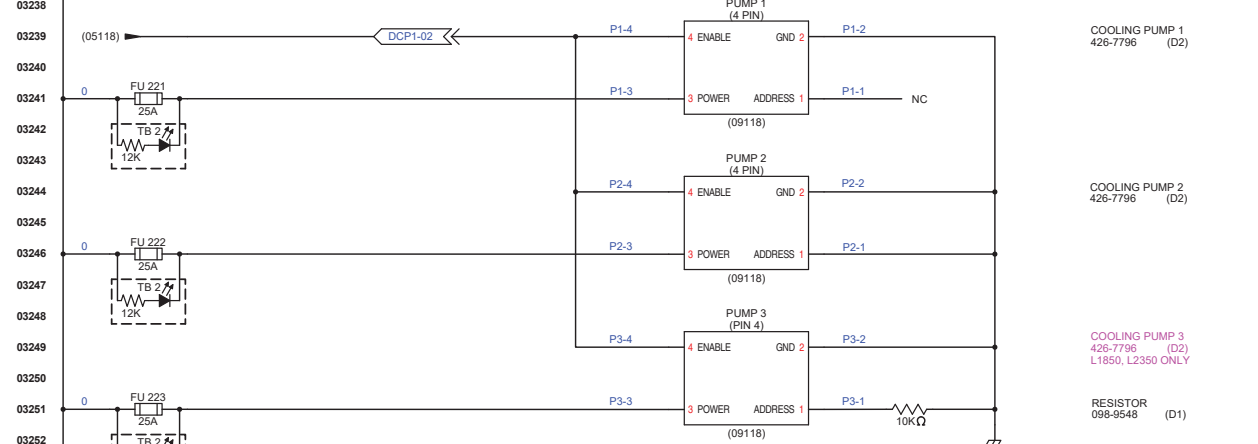
SPEED CONTROL PEDAL



WIPERS



COOLING PUMPS

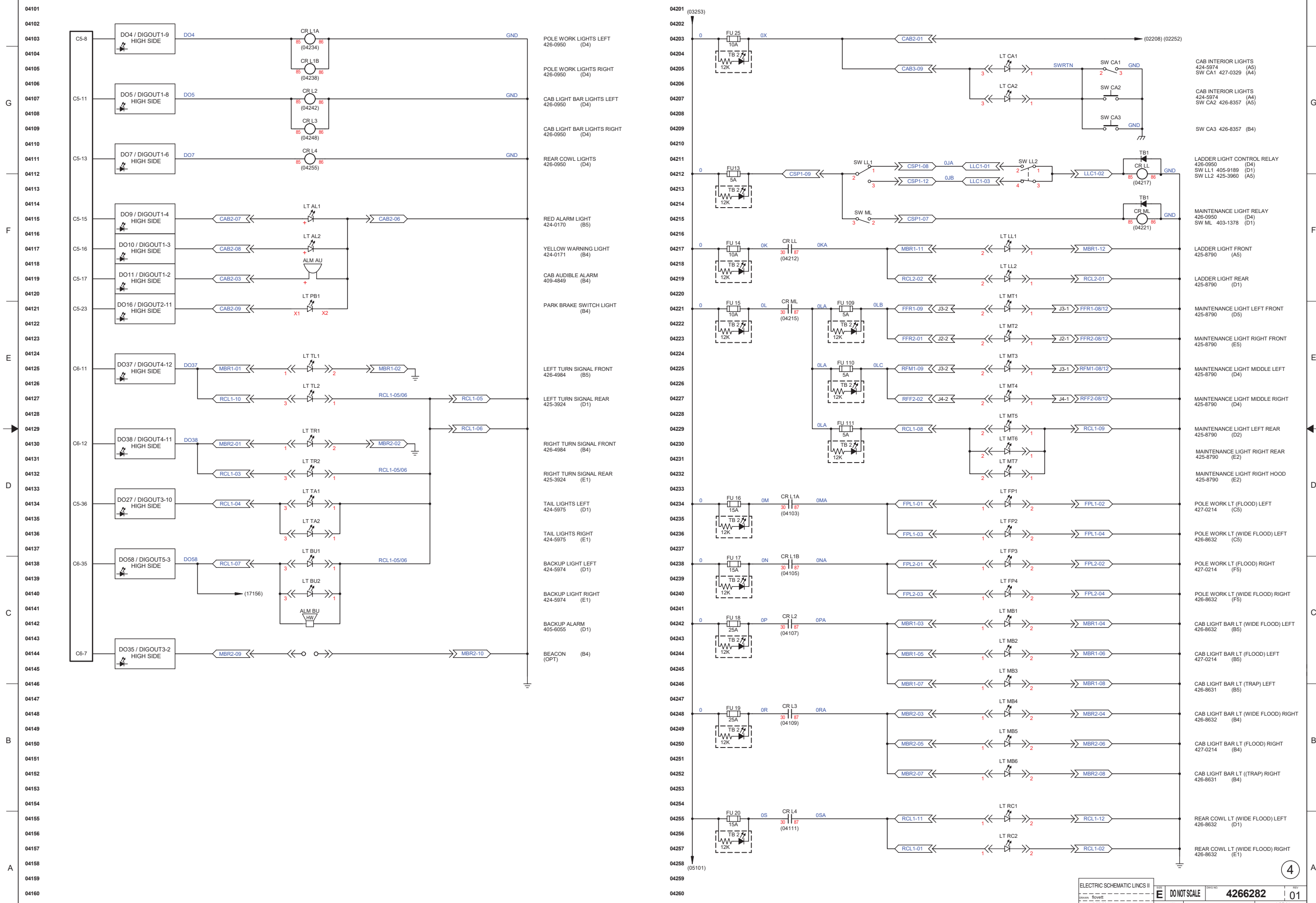


24V ELECTRICS

REVISIONS						
REV	DATE	DESCRIPTION	BY	CHK	APP	
00	RELEASE		NL11-1011	6-02	FL	BAS BS
01	NO CHANGE THIS SHEET		NL12-1909	8-27	FL	BS BS

LIGHTS & ALARMS

LIGHTS & ALARMS (CONT.)

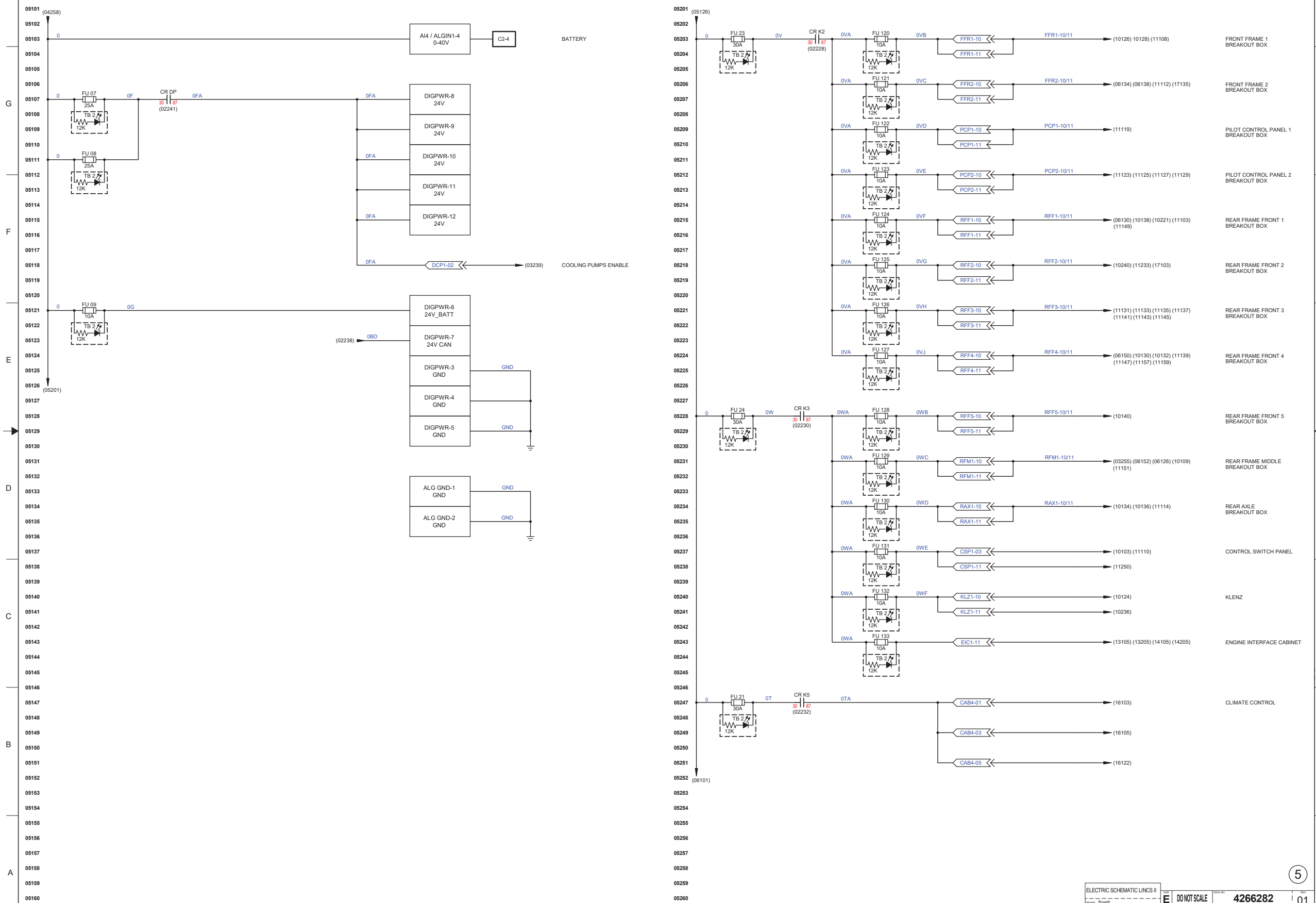


24V ELECTRICS

REVISIONS					
ZONE	REV	DESCRIPTION	EN	DATE	APP
	00	RELEASE	NL11-1011	6-02	FL BAS BS
	01	NO CHANGE THIS SHEET	NL12-1909	8-27	FL BS BS

POWER DISTRIBUTION

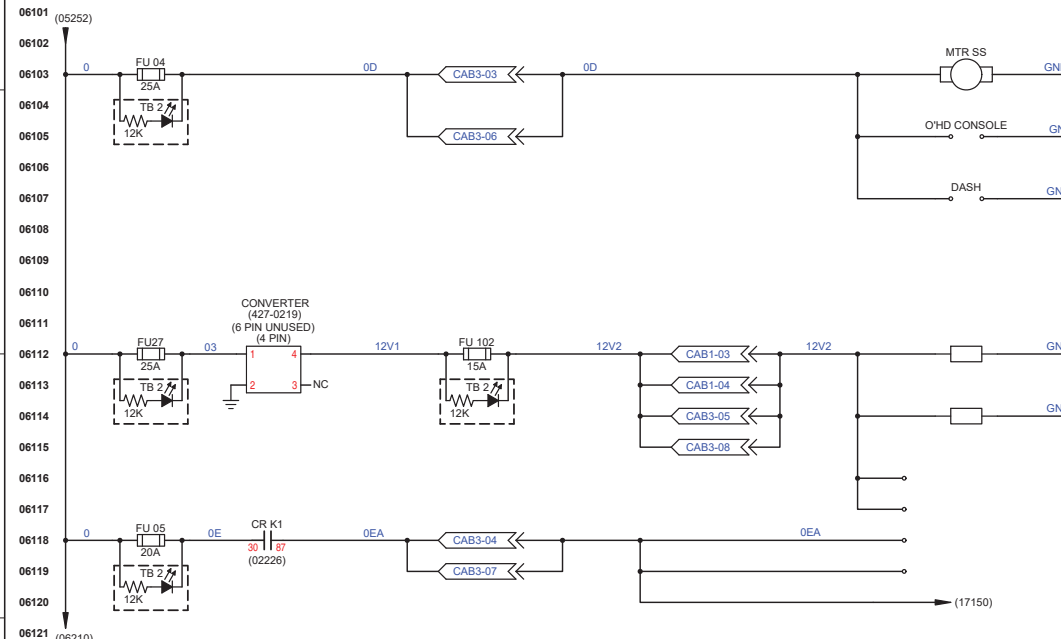
POWER DISTRIBUTION (CONT.)



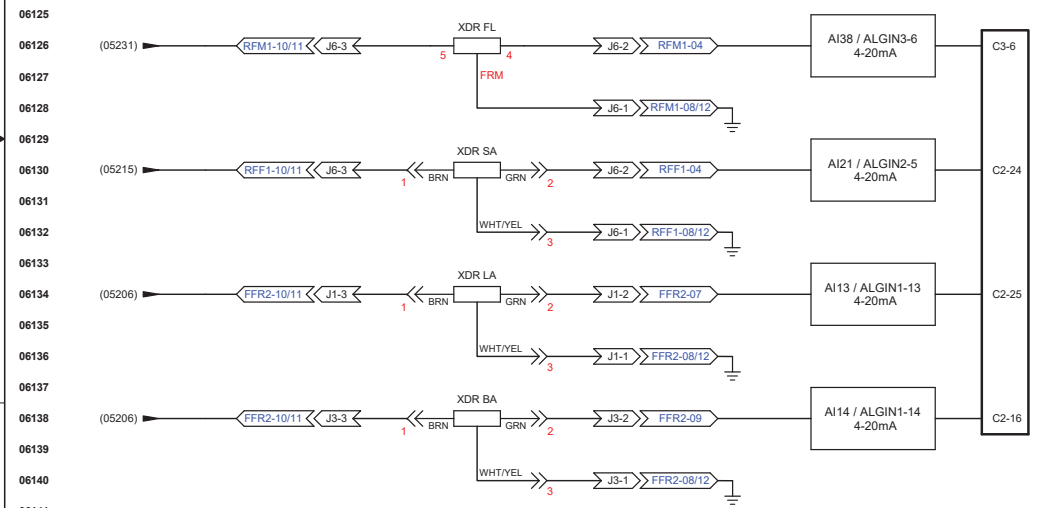
24V ELECTRICS

REVISIONS		EN	DATE	CHK	APP
00	RELEASE	NL11-1011	6-02	FL	BAS BS
D3	01 ADD DRIVE SYS SCHEMATIC CHART PART NOS.	NL12-1909	8-27	FL	BS BS

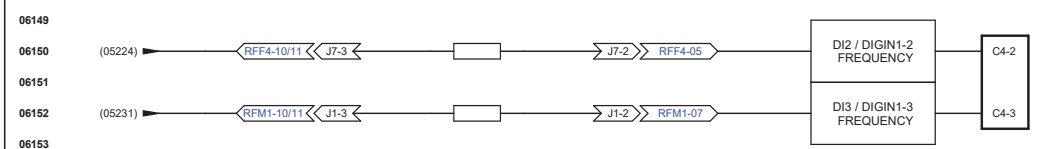
DEALER OPTIONS



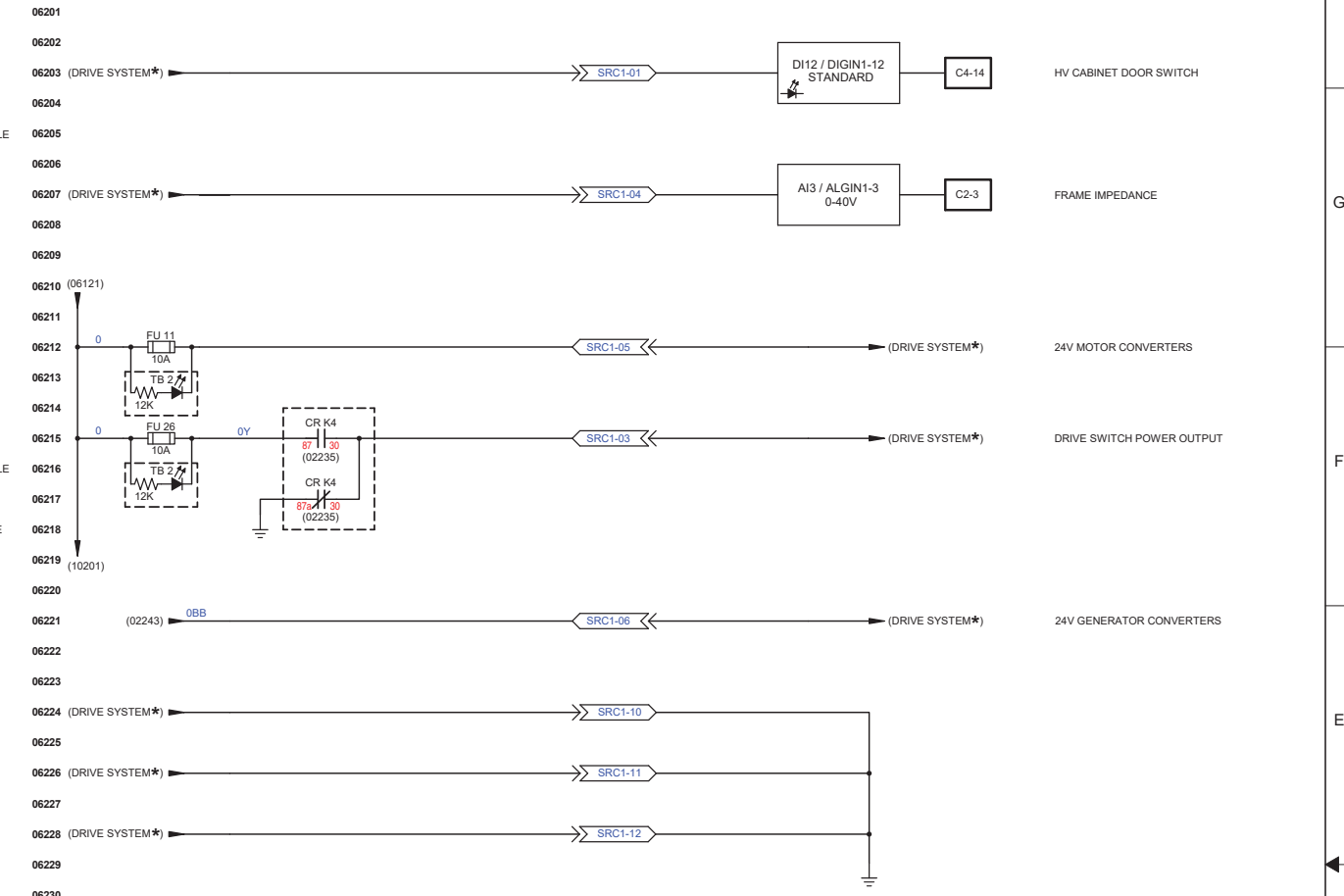
POSITION SENSORS



SPEED SENSORS



DRIVE SYSTEM INTERFACE



* **DRIVE SYSTEM SCHEMATIC**

MODEL	PART NUMBER
L950	426-5101
L1150	426-5101
L1350	427-5300
L1850, L2350	427-5302

DRIVE SYSTEM CAN (09135)

FUEL LEVEL
LOW TO FULL
426-5195 (D2)
L950, L1150 ONLY
427-0064 (D2)
L1350, L1850, L2350 ONLY

STEER POSITION
0-120°
425-7857 (E4)

LIFT ARM POSITION
0-120°
425-7857 (E5)

BELLCRANK TO LIFT ARM
0-120°
425-7857 (E7)

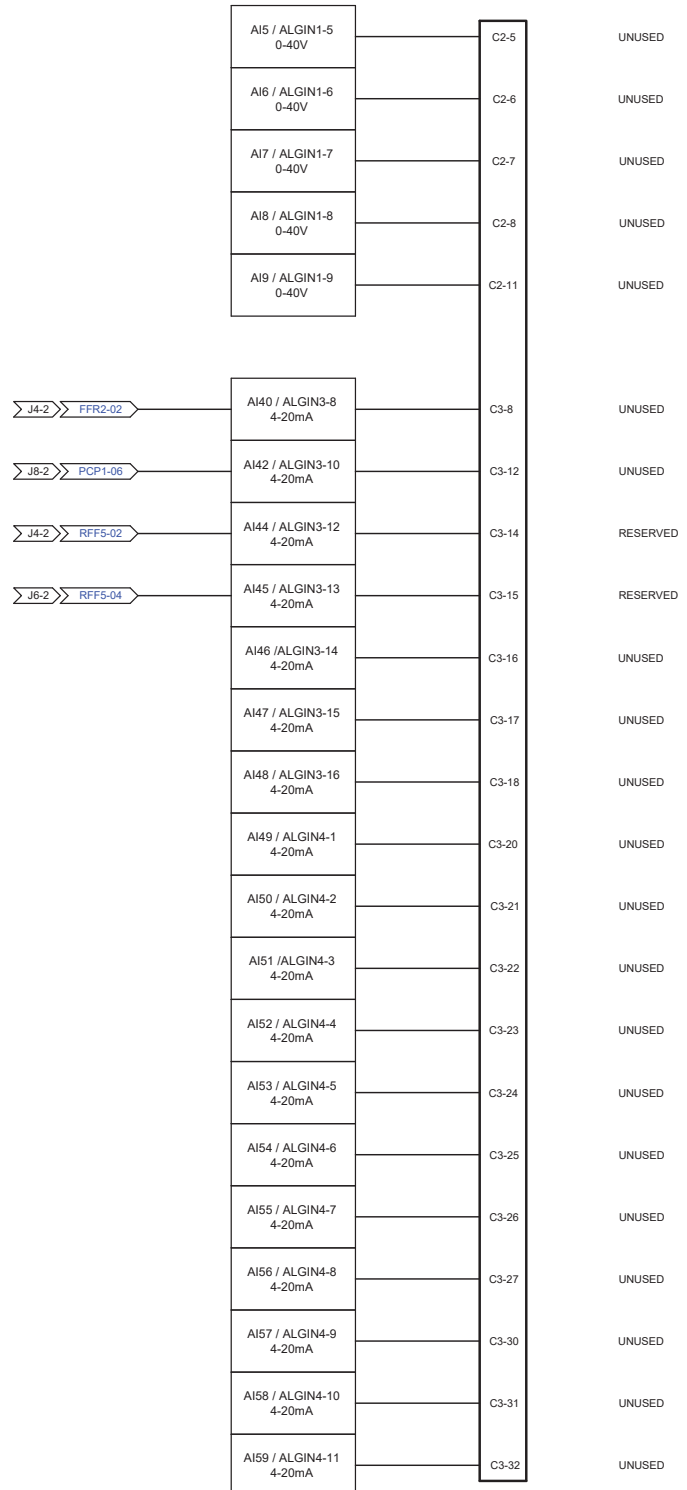
BLOWER
45 PULSES PER ROTATION
426-7540 (D4)

RADIATOR FAN
60 PULSES PER ROTATION
698-0376 (D1)

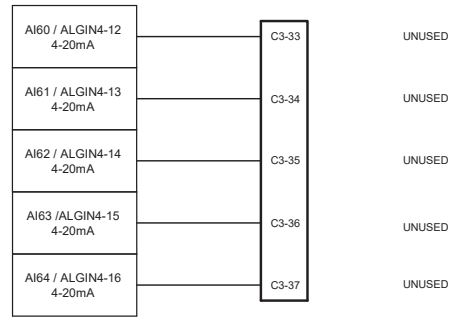
24V ELECTRICS

REVISIONS						
ZONE	REV	DESCRIPTION	EN	DATE	CHK	APP
E6	00	RELEASE	NL11-1011	6-02	FL	BAS BS
E6	01	MARK AI44 & AI45 AS RESERVED	NL12-1909	8-27	FL	BS BS

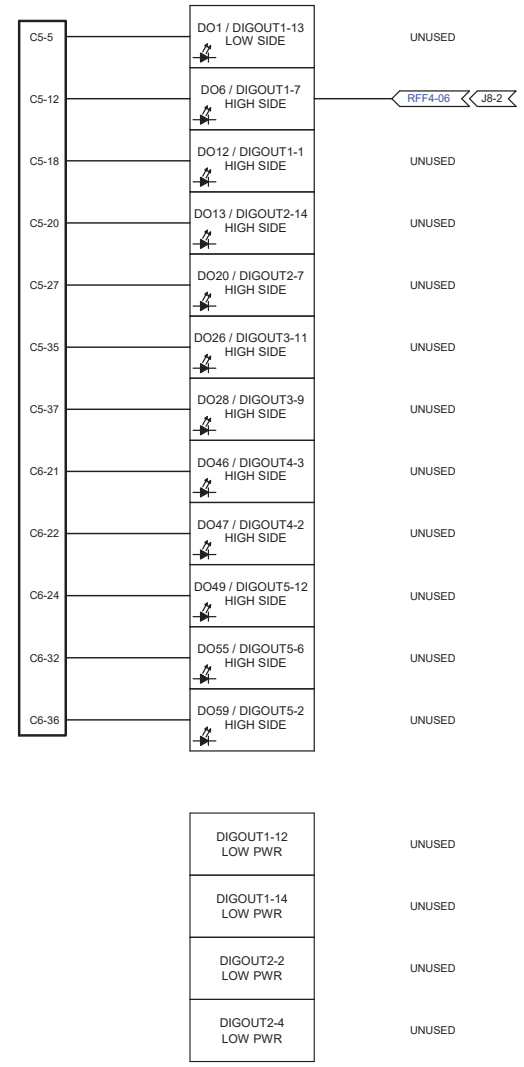
SPARE I/O - ANALOG INPUT



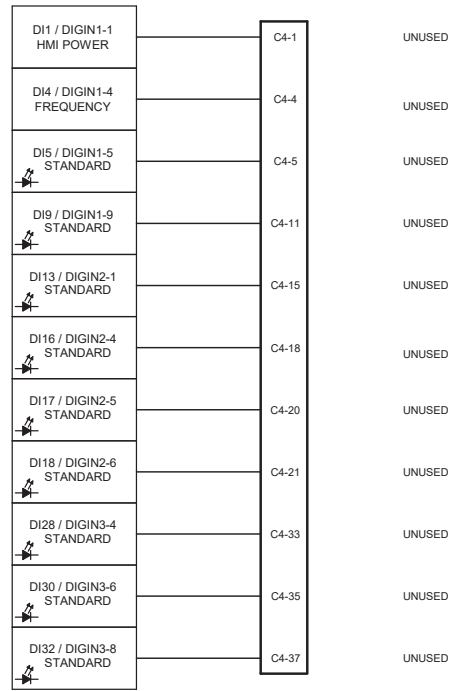
SPARE I/O ANALOG INPUT (CONT.)



SPARE I/O DIGITAL OUTPUT



SPARE I/O DIGITAL INPUT



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		REVISIONS						
ZONE	REV	DESCRIPTION	EN	DATE	CHK	CHK	APP	
	00	RELEASE	NL11-1011	6-02	FL	BAS	BS	
	01	NO CHANGE THIS SHEET	NL12-1909	8-27	FL	BS	BS	

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BLANK

8

ELECTRIC SCHEMATIC LINGS II		SCALE	1/1	DATE	5-27-2011	REV	01	NO SCALE	4266282	8 OF 24
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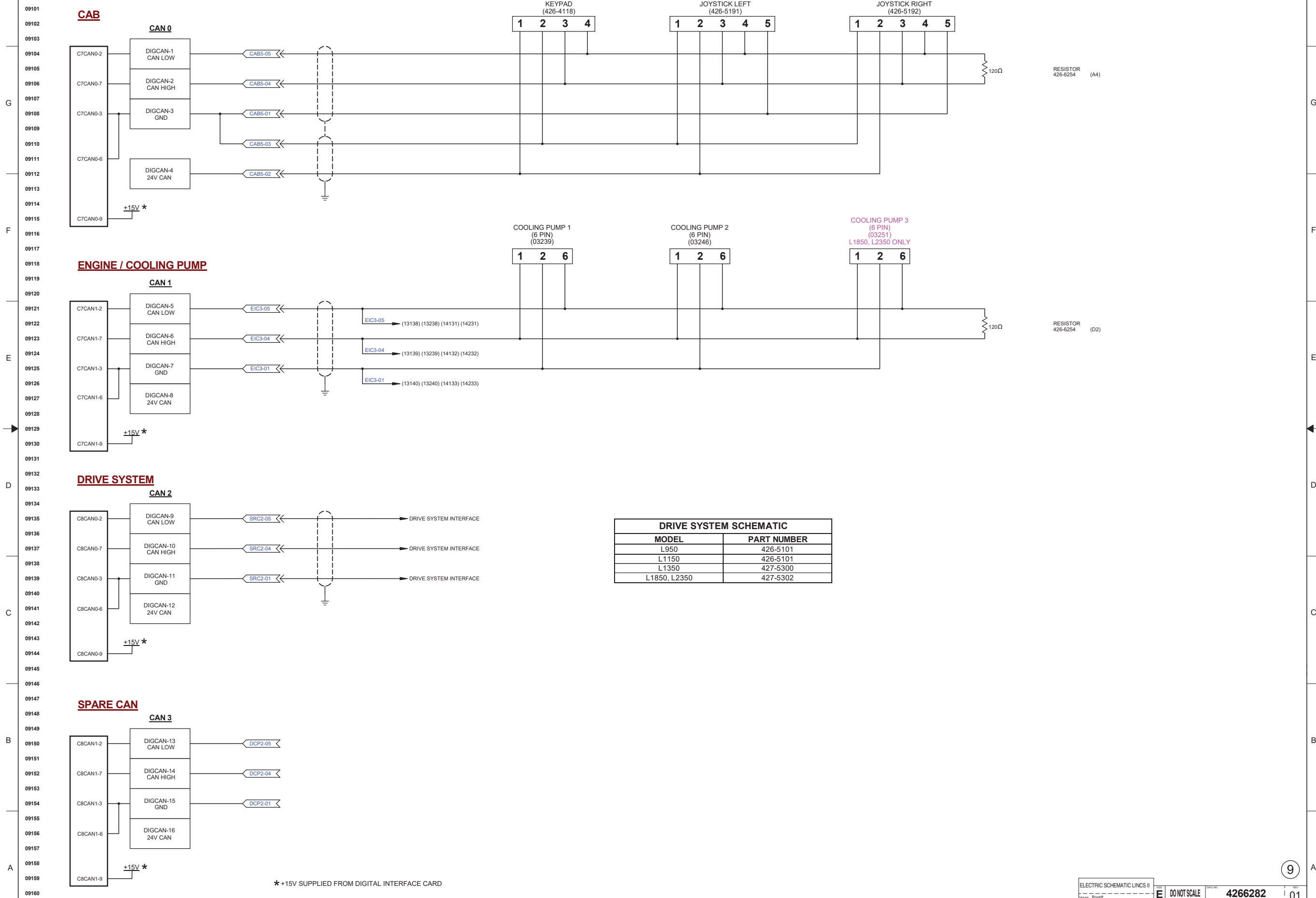
3

2

1

CAN

REV		DESCRIPTION	EN	DATE	CHK	CHK	APP
00	00	RELEASE	NL11-1011	6-02	FL	BAS	BS
D4	01	ADD DRIVE SYS SCHEMATIC CHART PART NOS.	NL12-1909	8-27	FL	BS	BS



MODEL	PART NUMBER
L950	426-5101
L1150	426-5101
L1350	427-5300
L1850, L2350	427-5302

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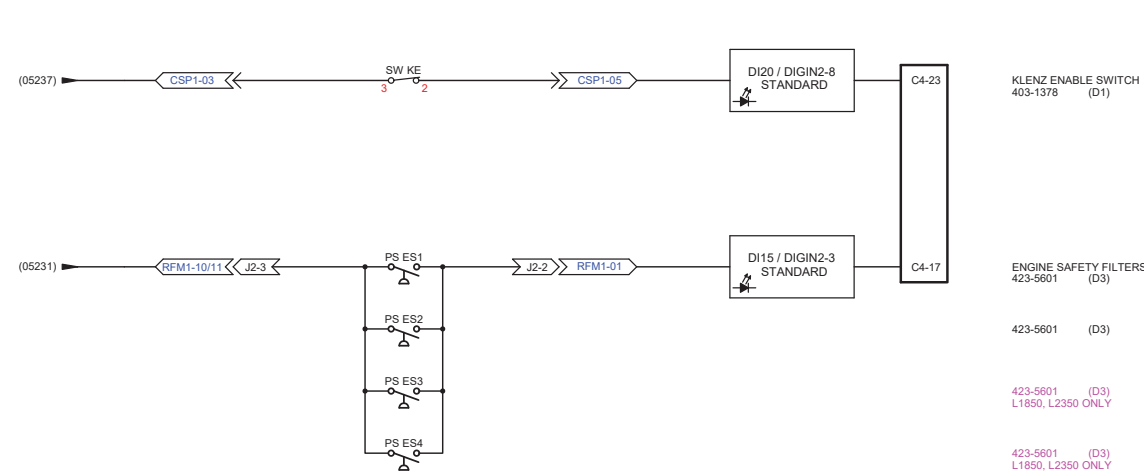
2

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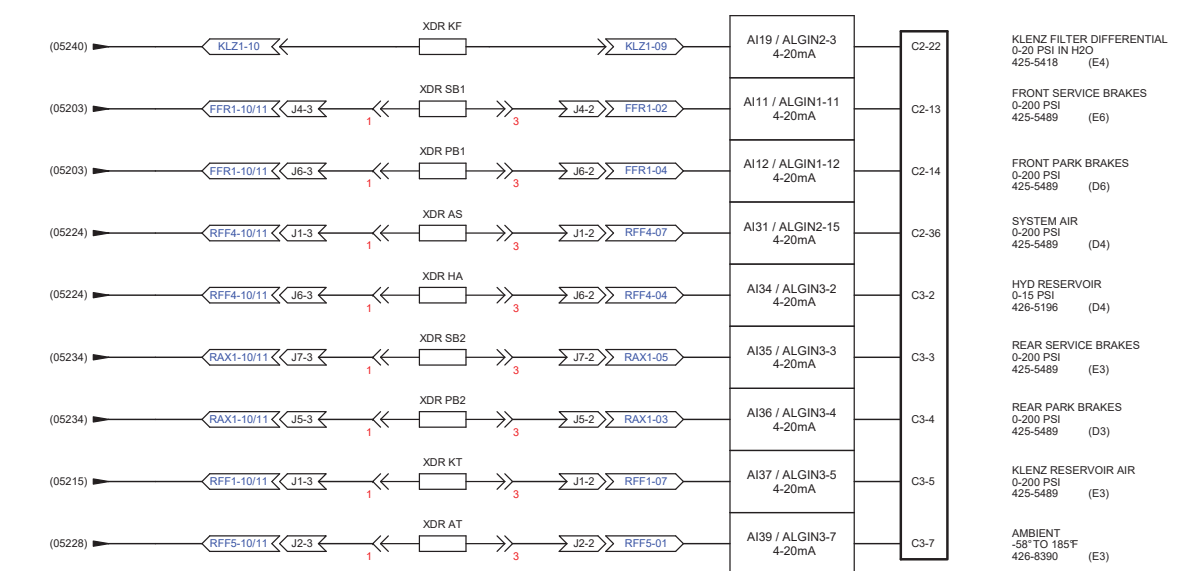
AIR

REVISIONS						
ZONE	REV	DESCRIPTION	EN	DATE	CHK	APP
	00	RELEASE	NL11-1011	6-02	FL	BAS BS
G1/F1	01	KLENZ SOLENOIDS PIN WAS 425-5202	NL12-1909	8-27	FL	BS BS

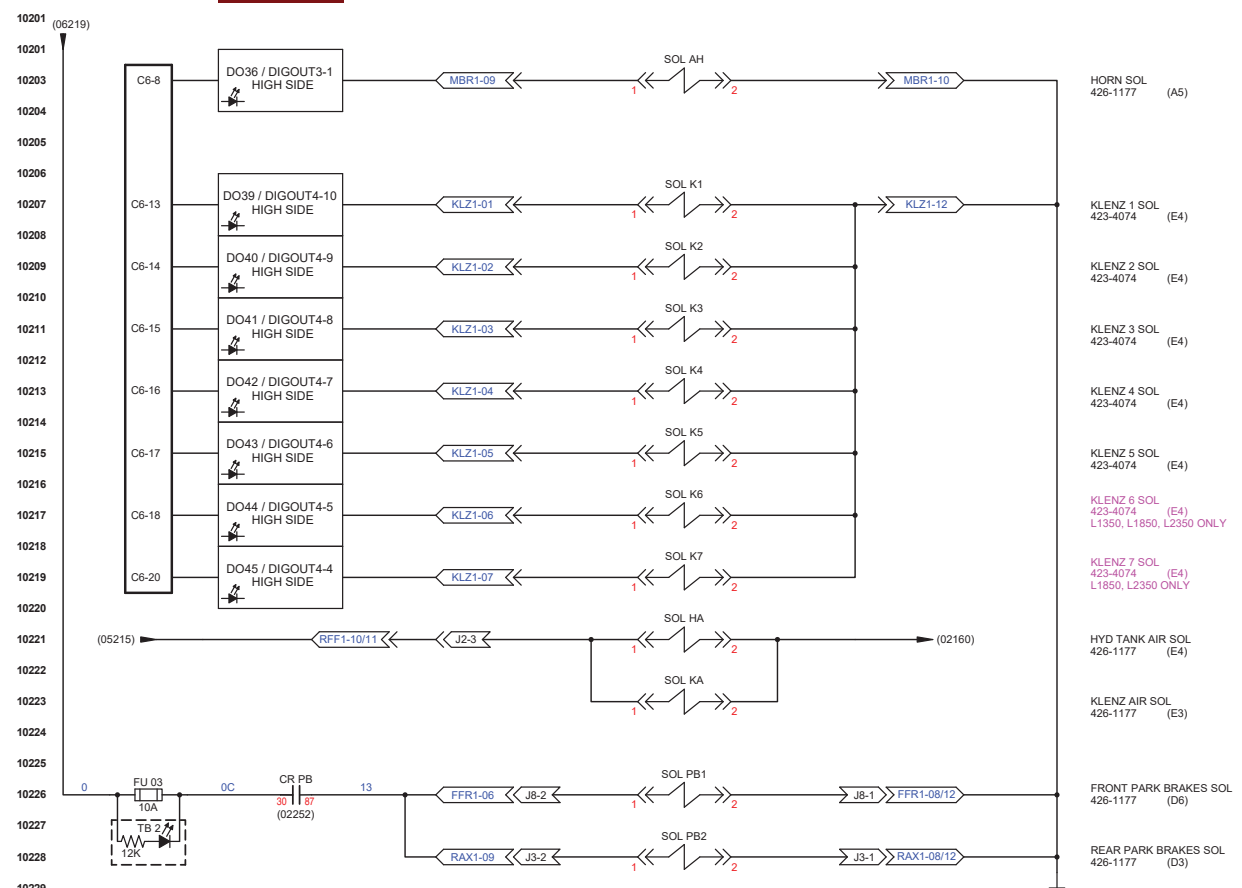
SWITCHES



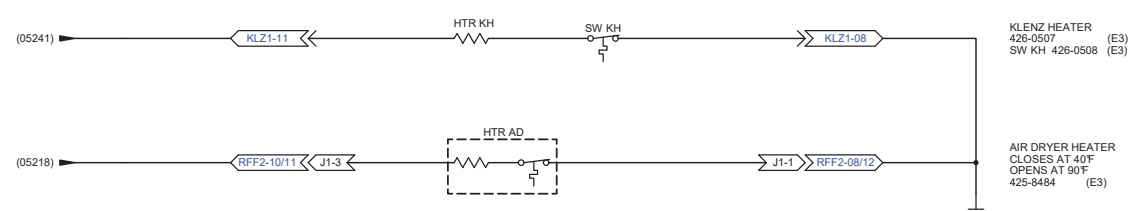
TRANSDUCERS



SOLENOIDS



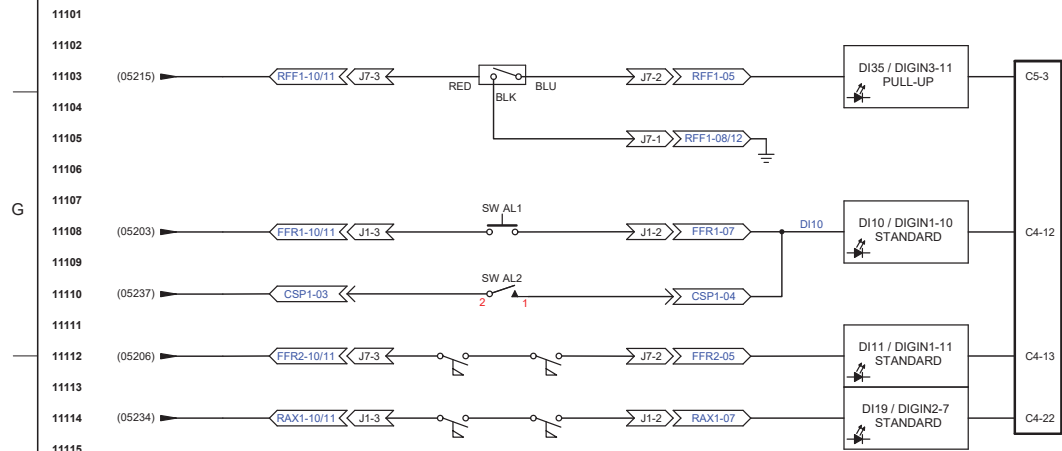
HEATERS



HYDRAULICS

REV		DESCRIPTION	EN	DATE	CHK	APP
00	RELEASE		NL11-1011	6-02	FL	BAS BS
01	NO CHANGE THIS SHEET		NL12-1909	8-27	FL	BS BS

SWITCHES



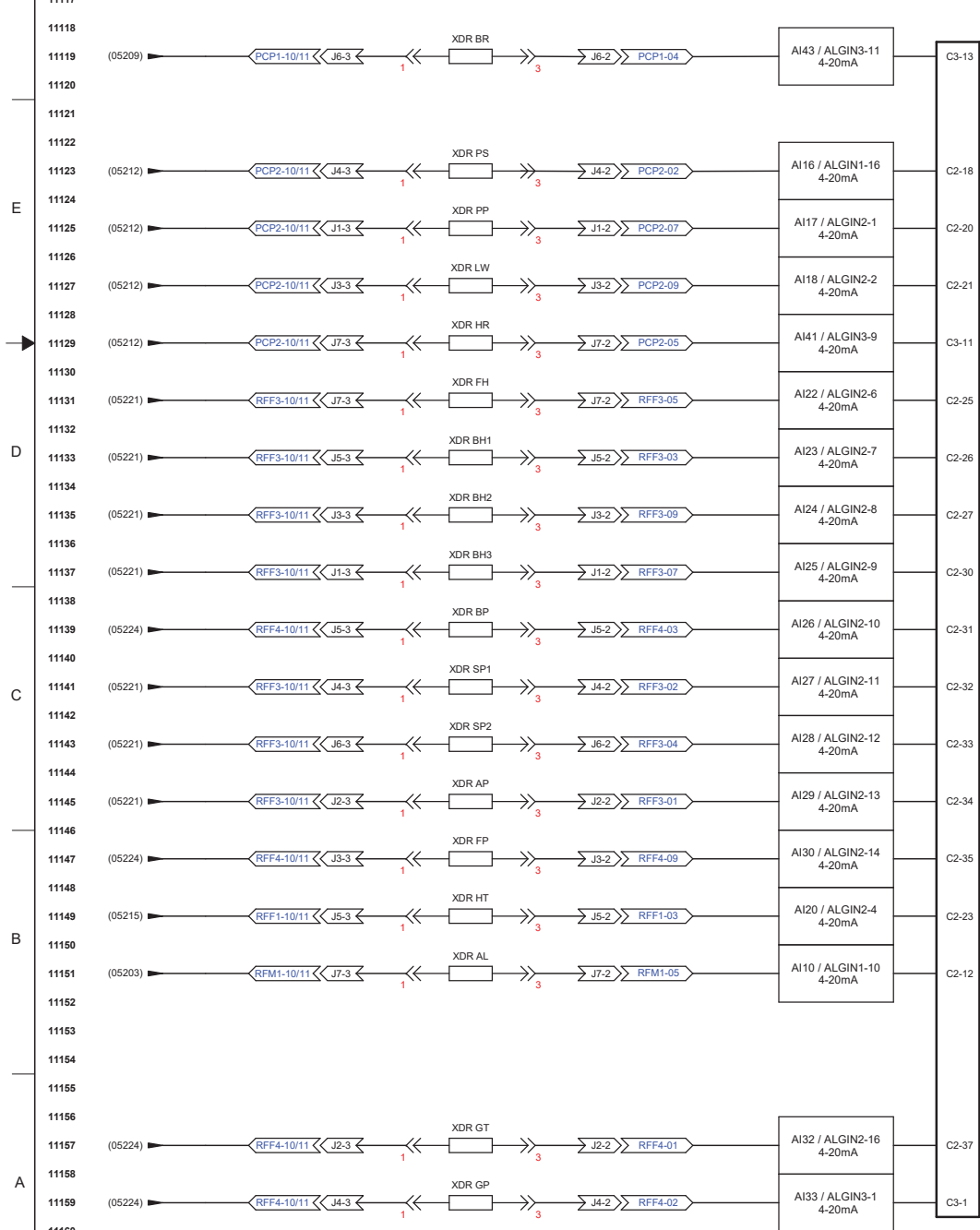
HYD RESERVOIR LEVEL SWITCH
411-7627 (E4)

AUTOLUBE SWITCHES
SW AL1 423-4957 (E6)
SW AL2 403-1377 (D1)

FRONT DRIVER LUBE FLOW SWITCHES
L1350, L1850, L2350 ONLY
427-0058

REAR DRIVER LUBE FLOW SWITCHES
L1350, L1850, L2350 ONLY
427-0058

TRANSDUCERS



BUCKET CYL ROD
0-5000 PSI
425-5491 (E5)

PILOT SUPPLY
0-1500 PSI
425-5490 (E5)

GREATEST PILOT CMD
0-1500 PSI
425-5490 (E5)

HOIST CYL BASE
0-5000 PSI
425-5491 (E5)

HOIST CYL ROD
0-5000 PSI
425-5491 (E5)

FAST HOIST PUMP
0-5000 PSI
425-5491 (E4)

HOIST / BUCKET PUMP A
0-5000 PSI
425-5491 (E4)

HOIST / BUCKET PUMP B
0-5000 PSI
425-5491 (E4)

HOIST / BUCKET PUMP C
0-5000 PSI
425-5491 (E4)
L1850, L2350 ONLY

BLOWER PUMP
0-5000 PSI
425-5491 (D4)

STEER PUMP A
0-5000 PSI
425-5491 (E4)

STEER PUMP B
0-5000 PSI
425-5491 (E4)
L1350, L1850, L2350 ONLY

ACCESSORY PUMP
0-5000 PSI
425-5491 (E4)

RADIATOR FAN PUMP
0-5000 PSI
425-5491 (D4)

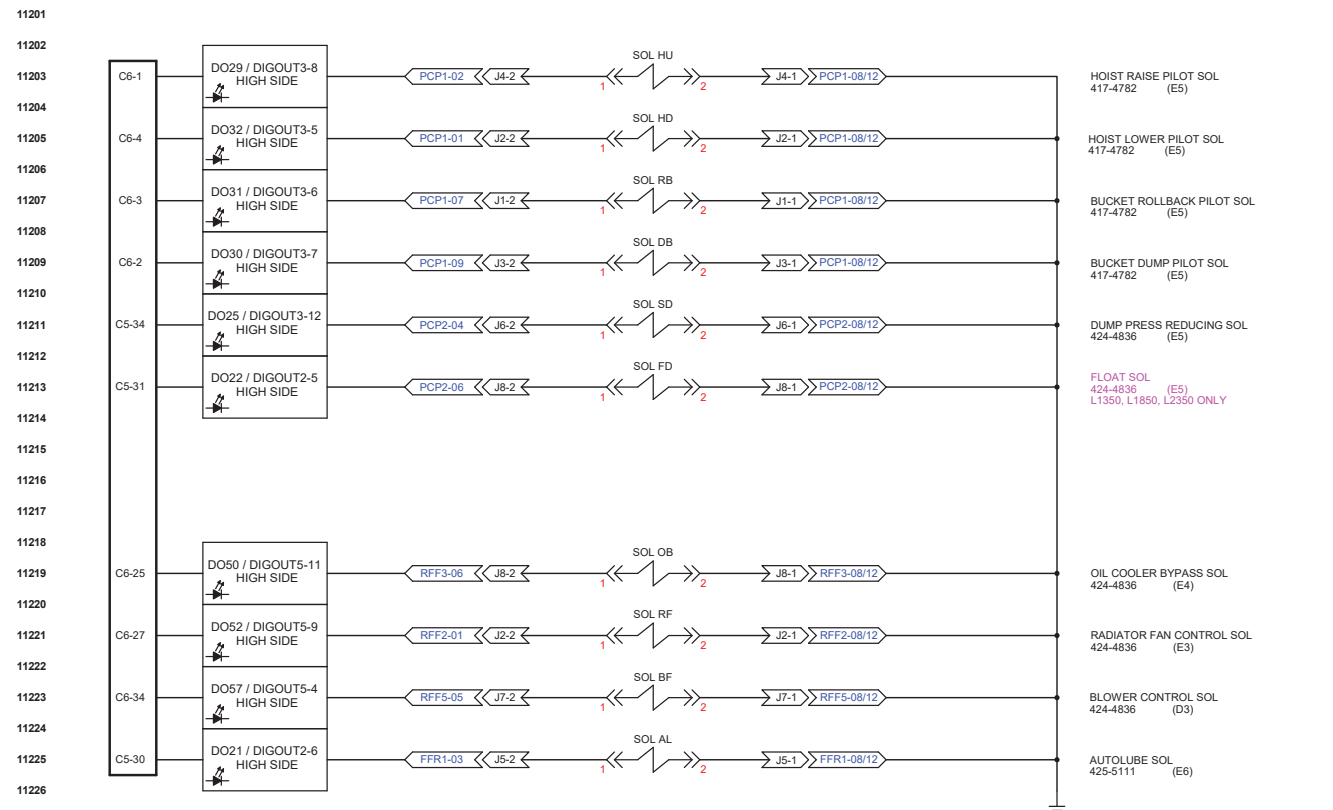
HYD RESERVOIR OIL
-13 TO 212°F
425-6107 (E4)

AUTOLUBE GREASE
0-5000 PSI
425-5491 (E6)

HPD GEARBOX OIL
-13 TO 212°F
425-6107 (D4)

HPD GEARBOX
0-200 PSI
425-5489 (D4)

SOLENOIDS



SOL HU
SOL HD
SOL RB
SOL DB
SOL SD
SOL FD
SOL OB
SOL RF
SOL BF
SOL AL

HOIST RAISE PILOT SOL
417-4782 (E5)

HOIST LOWER PILOT SOL
417-4782 (E5)

BUCKET ROLLBACK PILOT SOL
417-4782 (E5)

BUCKET DUMP PILOT SOL
417-4782 (E5)

DUMP PRESS REDUCING SOL
424-4836 (E5)

FLOAT SOL
424-4836 (E5)
L1350, L1850, L2350 ONLY

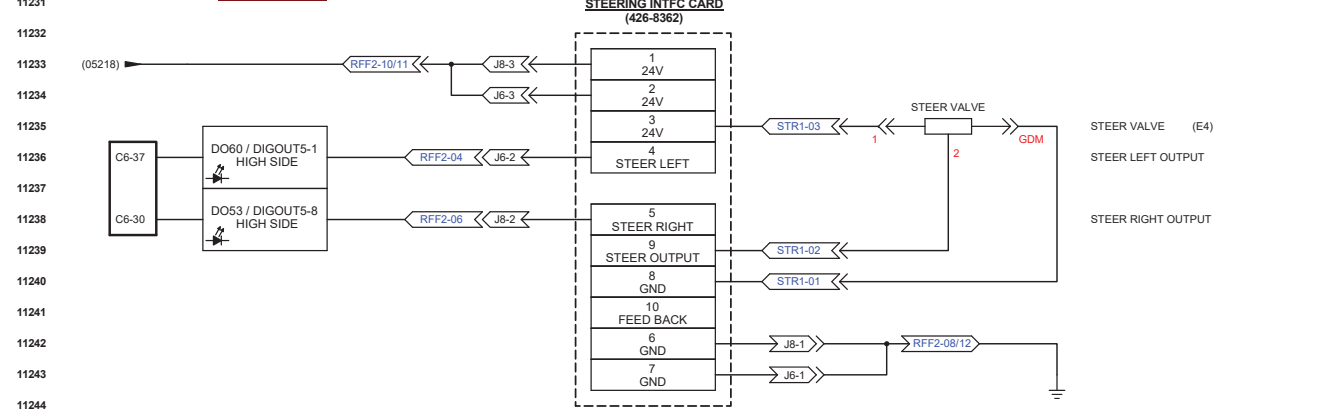
OIL COOLER BYPASS SOL
424-4836 (E4)

RADIATOR FAN CONTROL SOL
424-4836 (E3)

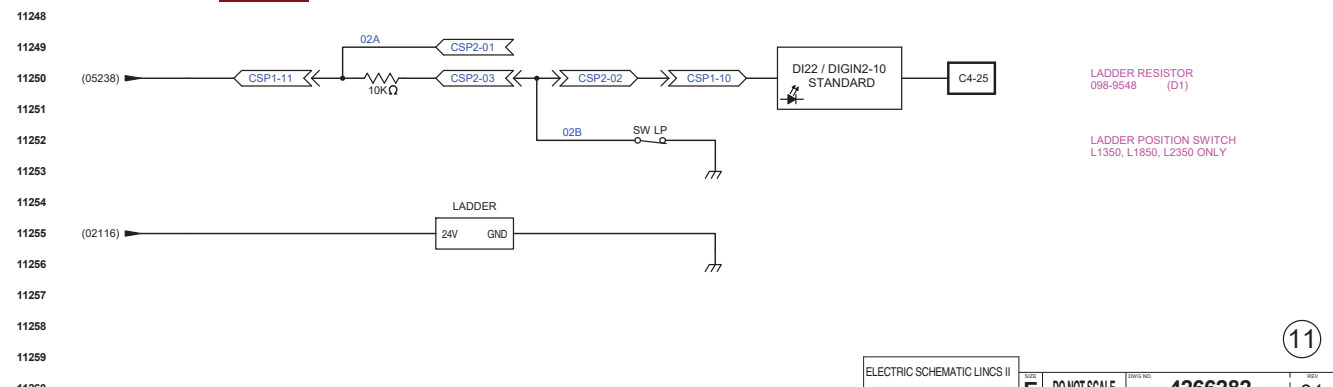
BLOWER CONTROL SOL
424-4836 (D3)

AUTOLUBE SOL
425-5111 (E6)

STEERING



LADDER



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1

		REVISIONS						
ZONE	REV	DESCRIPTION	EN	DATE	CHK	CHK	APP	
	00	RELEASE	NL11-1011	6-02	FL	BAS	BS	
	01	NO CHANGE THIS SHEET	NL12-1909	8-27	FL	BS	BS	

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ELECTRIC SCHEMATIC LINGS II		SCALE	1/1	DATE	5-27-2011	REV	01	NO	4266282	12 OF 24
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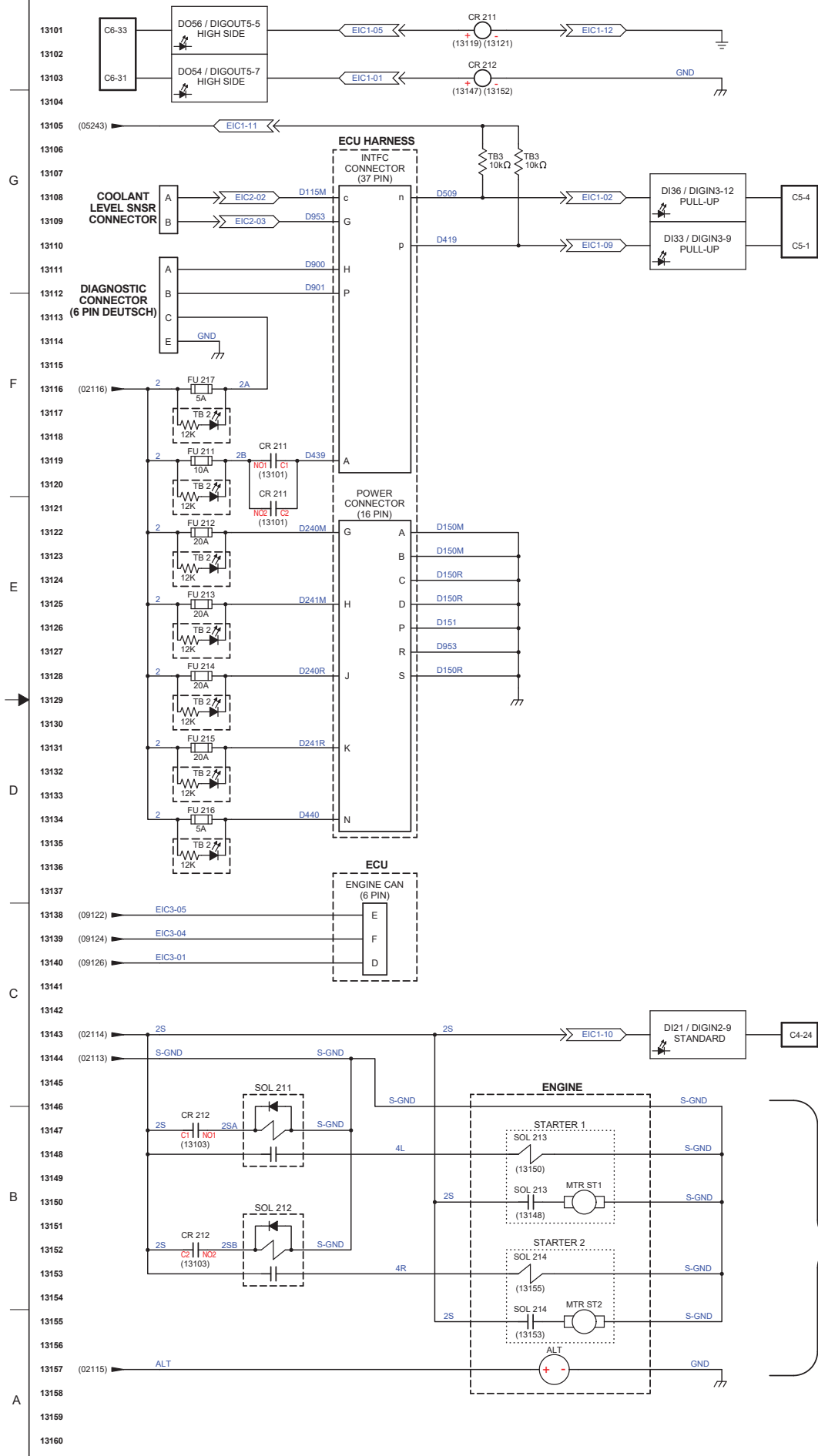
2

1

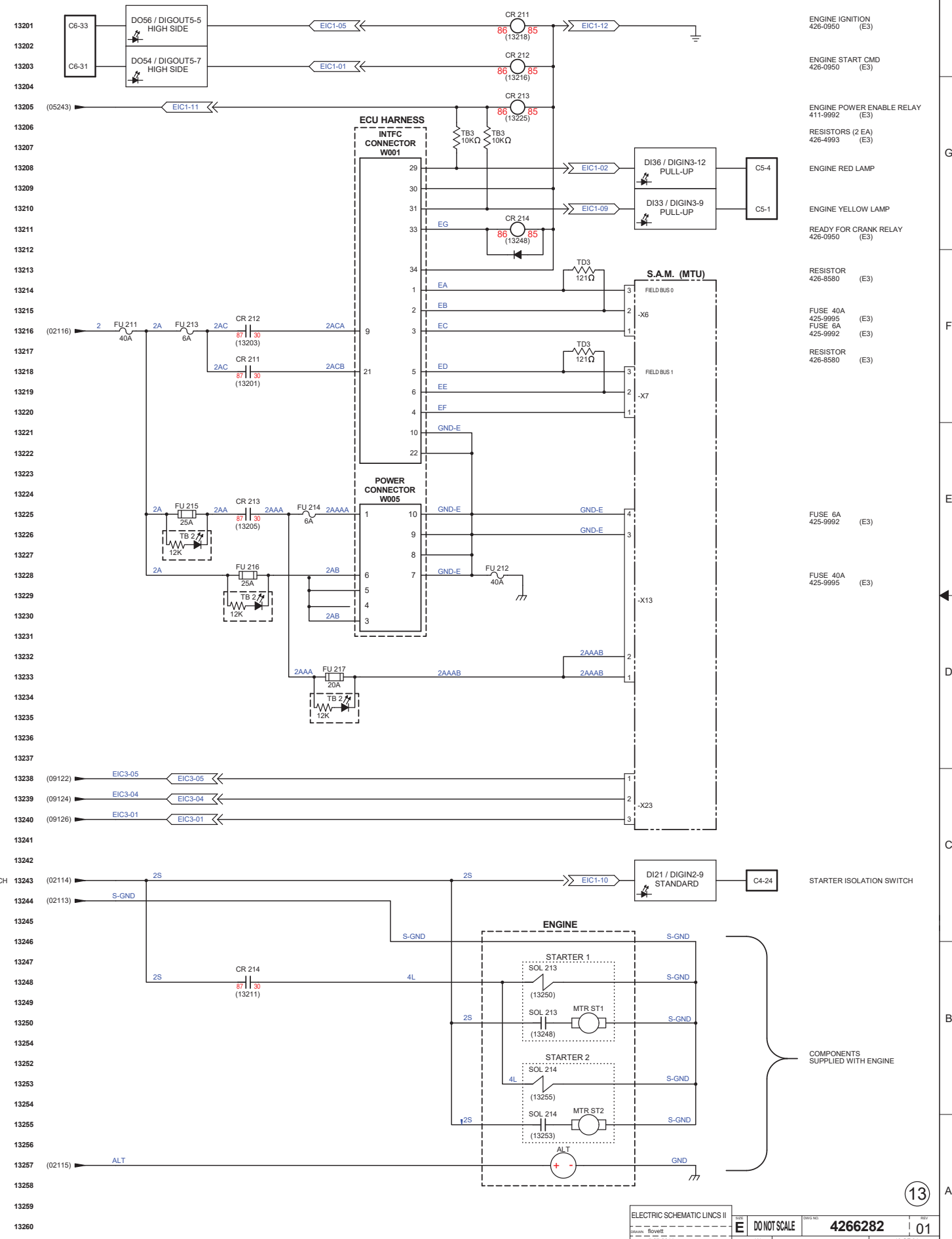
ENGINE

ADEC

		REVISIONS				
ZONE	REV	DESCRIPTION	EN	DATE	CHK	APP
00	00	RELEASE	NL11-1011	6-02	FL	BAS BS
F2/D2	01	ADD TD3 TO 121 OHMS RESISTORS, DELETE S.A.M. X19 PIN 5	NL12-1909	8-27	FL	BS BS



- ENGINE IGNITION 422-8641 (E3)
- ENGINE START CMD 422-8641 (E3)
- RESISTORS (2 EA) 426-4993 (E3)
- ENGINE RED LAMP
- ENGINE YELLOW LAMP



- ENGINE IGNITION 426-0950 (E3)
- ENGINE START CMD 426-0950 (E3)
- ENGINE POWER ENABLE RELAY 411-9992 (E3)
- RESISTORS (2 EA) 426-4993 (E3)
- ENGINE RED LAMP
- ENGINE YELLOW LAMP
- READY FOR CRANK RELAY 426-0950 (E3)
- RESISTOR 426-8580 (E3)
- FUSE 40A 425-9995 (E3)
- FUSE 6A 425-9992 (E3)
- RESISTOR 426-8580 (E3)
- FUSE 6A 425-9992 (E3)
- FUSE 40A 425-9995 (E3)

STARTER ISOLATION SWITCH

COMPONENTS SUPPLIED WITH ENGINE

STARTER ISOLATION SWITCH

COMPONENTS SUPPLIED WITH ENGINE

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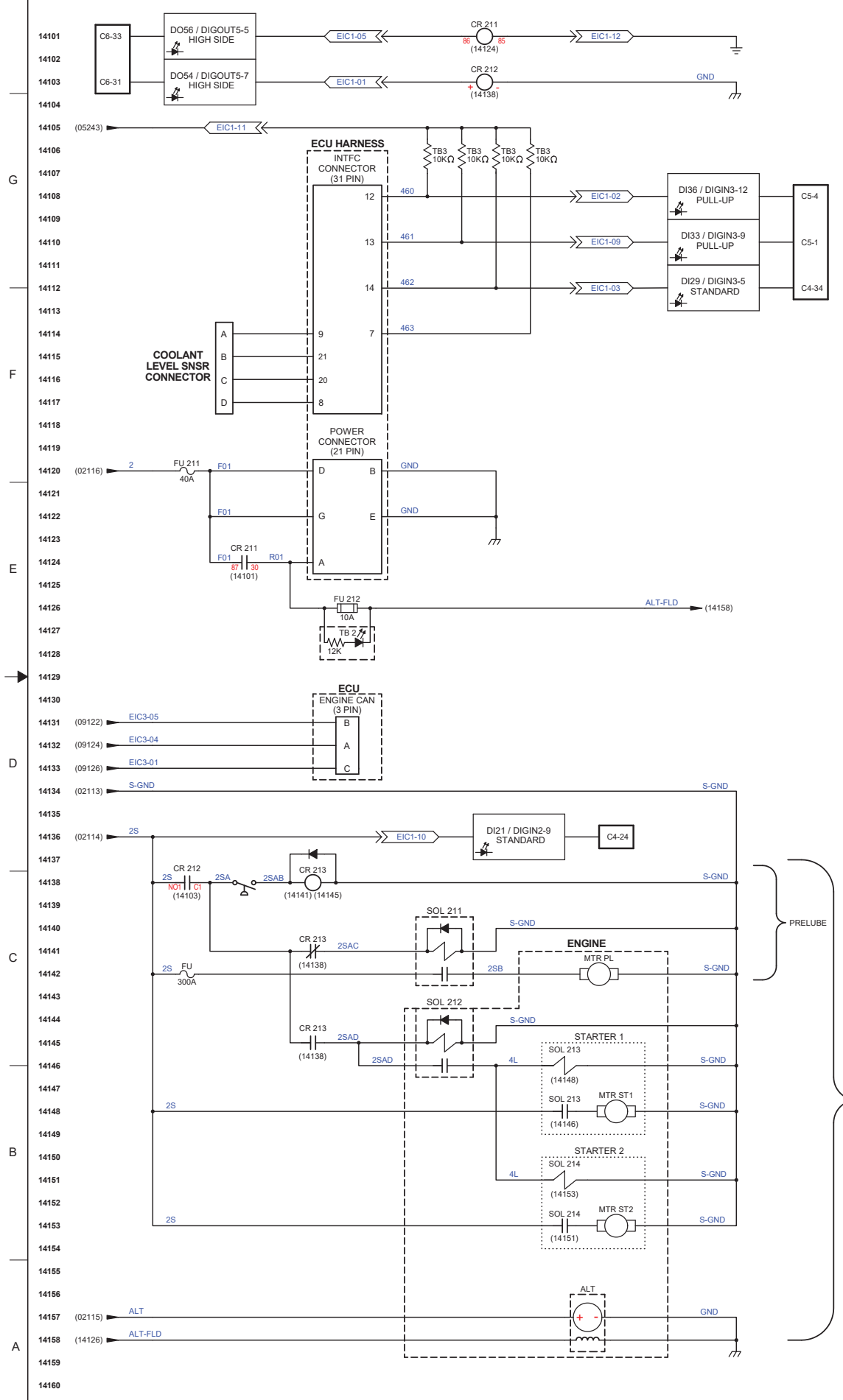
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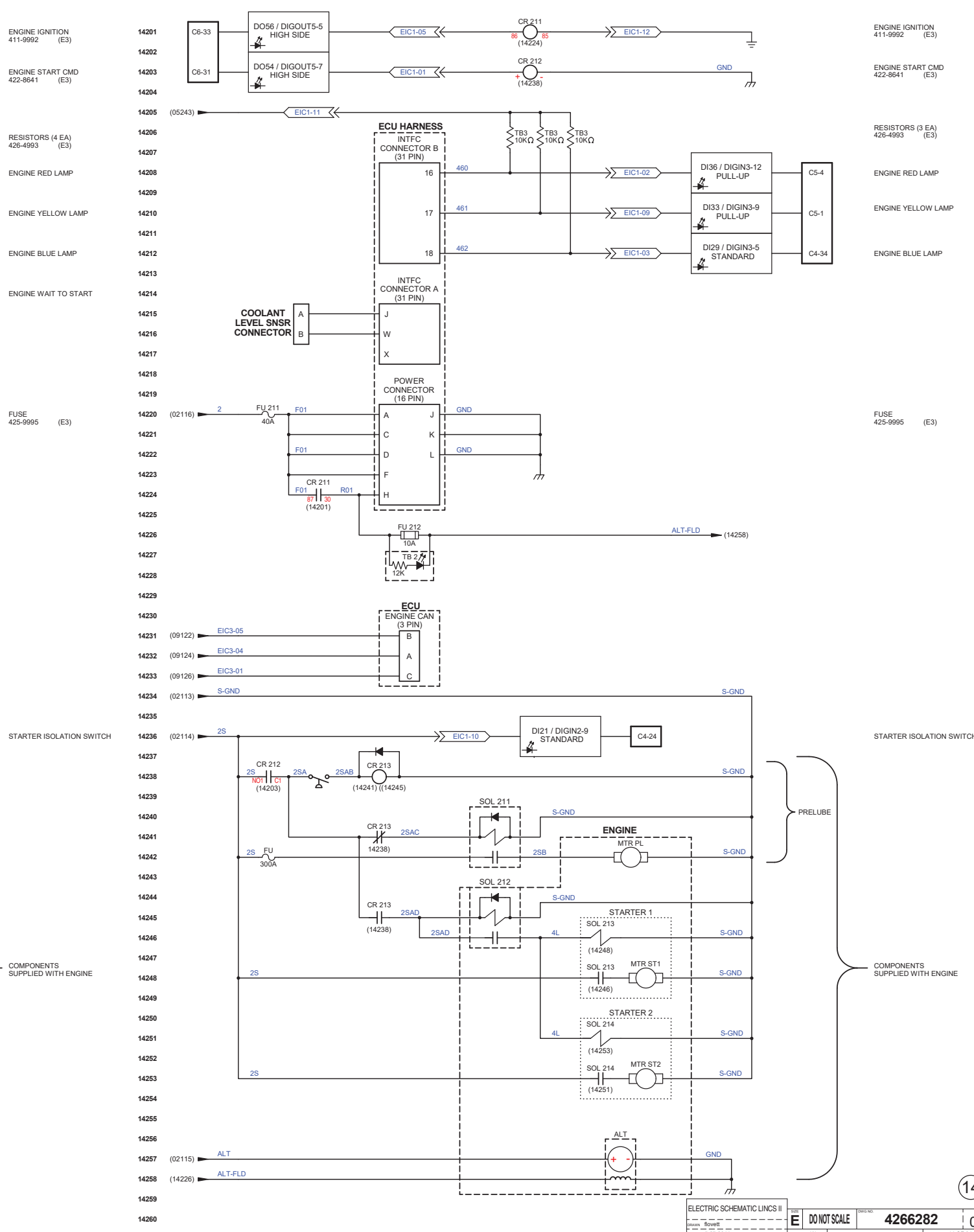
ENGINE

REVISIONS		EN	DATE	CHK	CHK	APP
00	RELEASE	NL11-1011	6-02	FL	BAS	BS
01	NO CHANGE THIS SHEET	NL12-1909	8-27	FL	BS	BS

CUMMINS QST30



CUMMINS QSK38



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		REVISIONS					
ZONE	REV	DESCRIPTION	EN	DATE	CHK	CHK	APP
	00	RELEASE	NL11-1011	6-02	FL	BAS	BS
	01	NO CHANGE THIS SHEET	NL12-1909	8-27	FL	BS	BS

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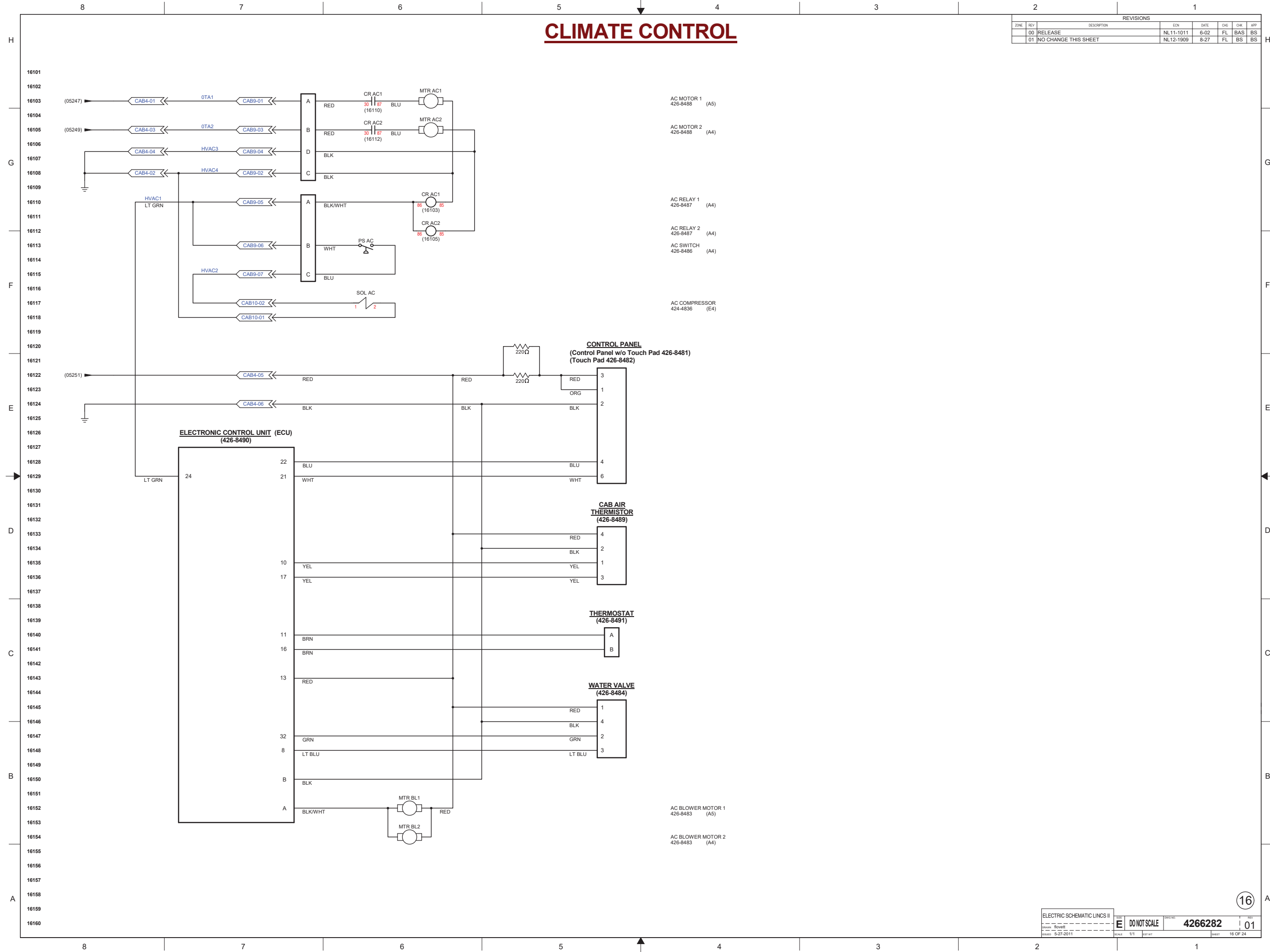
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15

ELECTRIC SCHEMATIC LINGS II		SCALE	1/1	DATE	5-27-2011	REV	01	NO	4266282	15 OF 24
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CLIMATE CONTROL

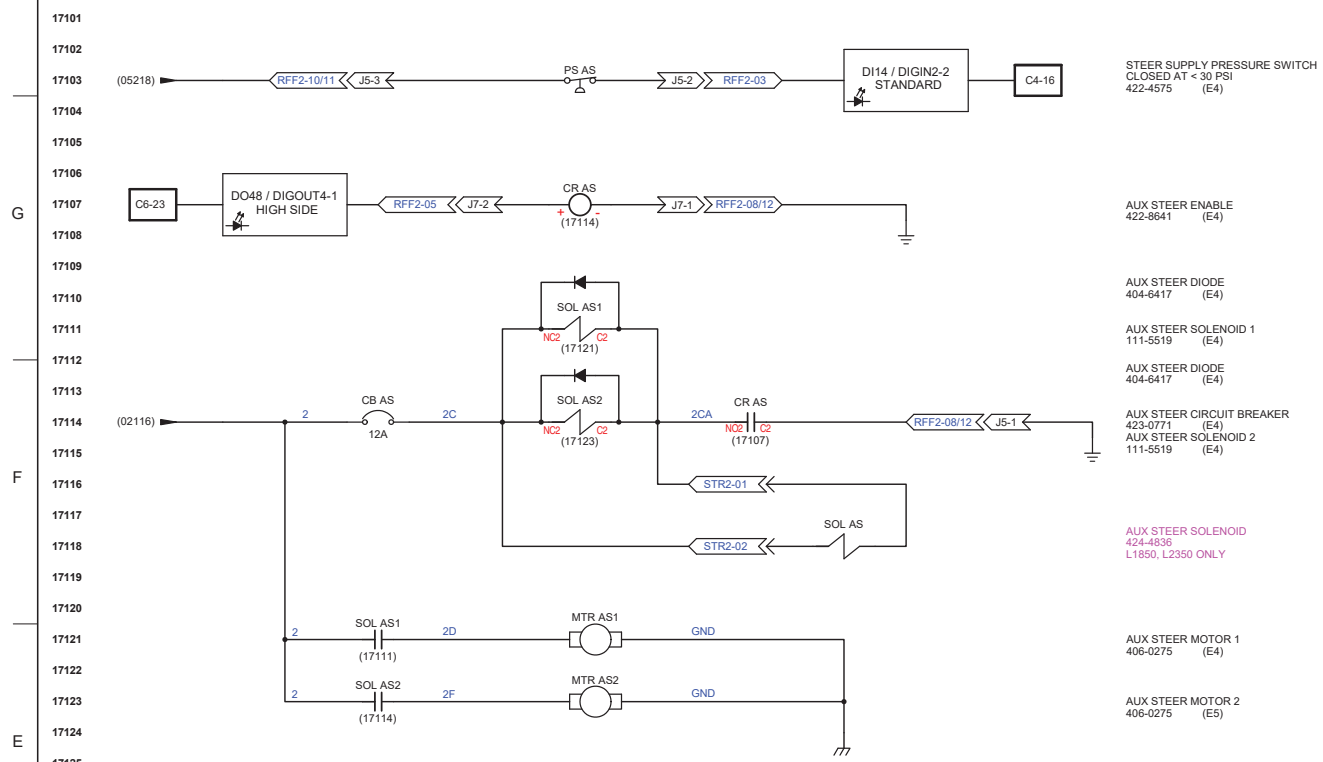
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	01	NO CHANGE THIS SHEET	NL12-1909	8-27	FL	BS BS



COMPONENT OPTIONS

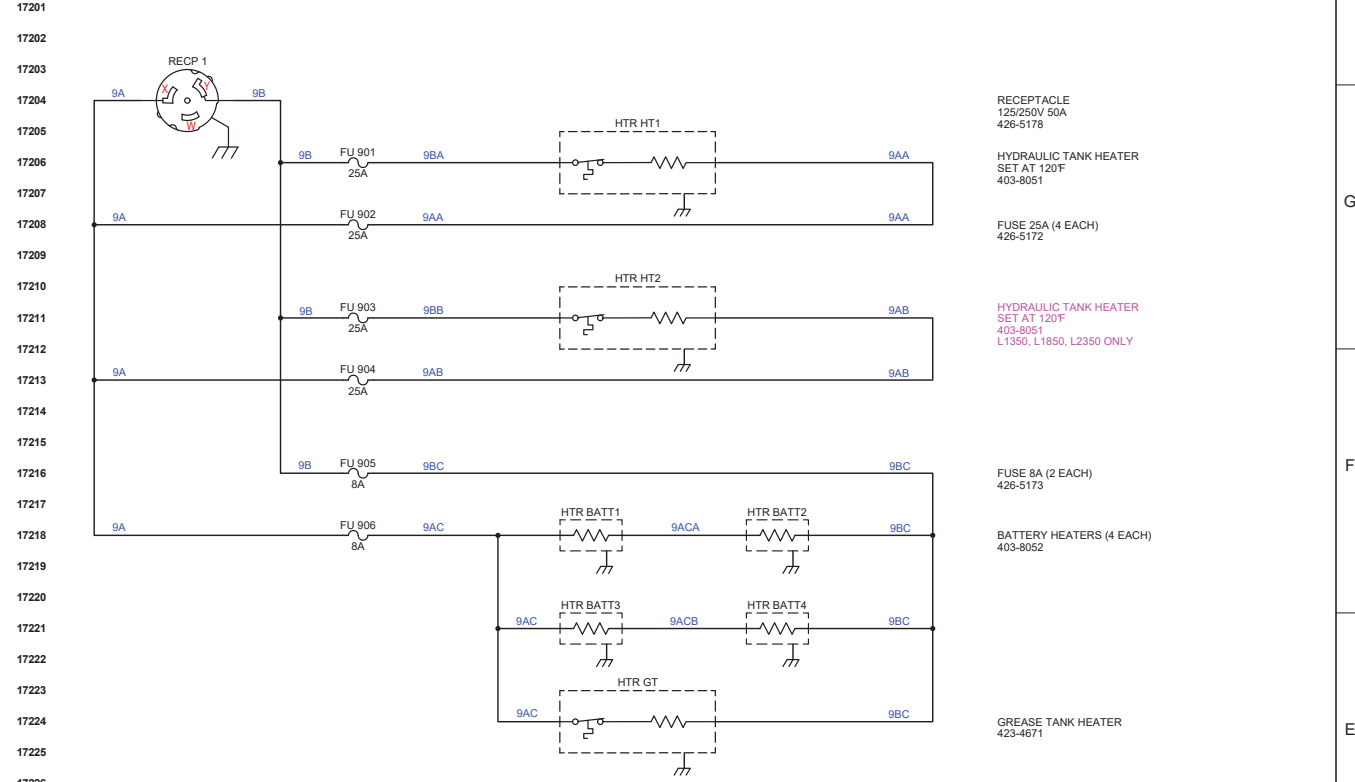
REVISIONS						
ZONE	REV	DESCRIPTION	EN	DATE	CHK	APP
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D5	01	AUX FAN ENABLE SOL P/N WAS 426-4836	NL12-1909	8-27	FL	BS BS

AUXILIARY STEER



- STEER SUPPLY PRESSURE SWITCH
CLOSED AT < 30 PSI
422-4575 (E4)
- AUX STEER ENABLE
422-8641 (E4)
- AUX STEER DIODE
404-6417 (E4)
- AUX STEER SOLENOID 1
111-5519 (E4)
- AUX STEER DIODE
404-6417 (E4)
- AUX STEER CIRCUIT BREAKER
423-0771 (E4)
- AUX STEER SOLENOID 2
111-5519 (E4)
- AUX STEER SOLENOID
424-4836
L1850, L2350 ONLY
- AUX STEER MOTOR 1
406-0275 (E4)
- AUX STEER MOTOR 2
406-0275 (E5)

HEATERS (COLD CLIMATE)



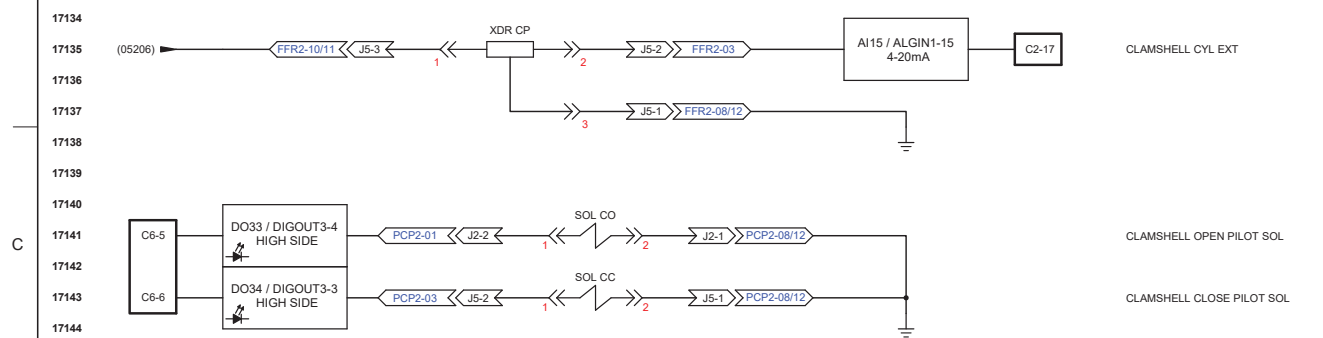
- RECEPTACLE
125/250V 50A
426-5178
- HYDRAULIC TANK HEATER
SET AT 120F
403-8051
- FUSE 25A (4 EACH)
426-5172
- HYDRAULIC TANK HEATER
SET AT 120F
403-8051
L1350, L1850, L2350 ONLY
- FUSE 8A (2 EACH)
426-5173
- BATTERY HEATERS (4 EACH)
403-8052
- GREASE TANK HEATER
423-4671
- RECEPTACLE
125/250V 50A
426-5178
- FUSE 25A (2 EACH)
426-5172
- THERMOSTAT
058-3631
ENGINE COOLANT HEATER
085-3460
- ENGINE OIL HEATER LEFT
425-3381
- FUSE 25A (2 EACH)
426-5172
- THERMOSTAT
058-3631
ENGINE COOLANT HEATER
085-3460
L1350 CUMMINS
L1350, L1850, L2350 ONLY
- ENGINE OIL HEATER RIGHT
425-3381
L1350, L1850, L2350 ONLY

AUXILIARY OIL COOLER



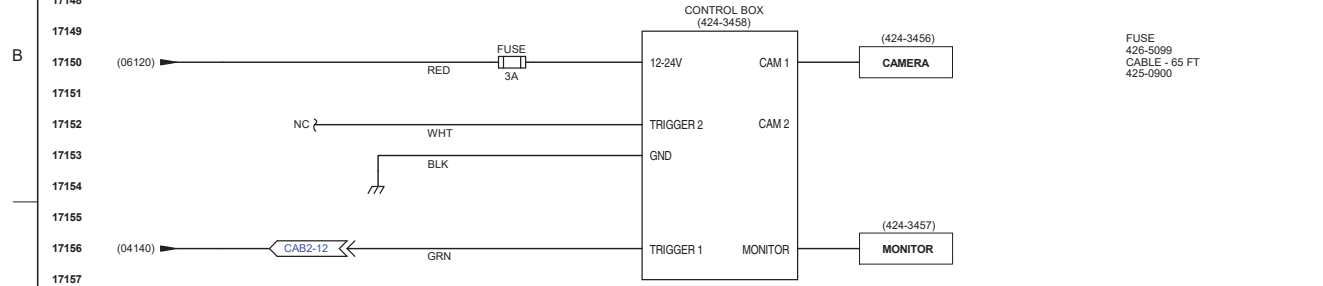
- AUX FAN ENABLE SOL
424-4836

CLAMSHELL



- CLAMSHELL CYL EXT
- CLAMSHELL OPEN PILOT SOL
- CLAMSHELL CLOSE PILOT SOL

REAR VISION CAMERA



- FUSE
426-5099
CABLE - 65 FT
425-0900

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		REVISIONS					
ZONE	REV	DESCRIPTION	EN	DATE	CHK	CHK	APP
	00	RELEASE	NL11-1011	6-02	FL	BAS	BS
	01	NO CHANGE THIS SHEET	NL12-1909	8-27	FL	BS	BS

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ELECTRIC SCHEMATIC LINGS II		SCALE	1/1	DATE	5-27-2011	REV	01	NO SCALE	4266282	18 OF 24
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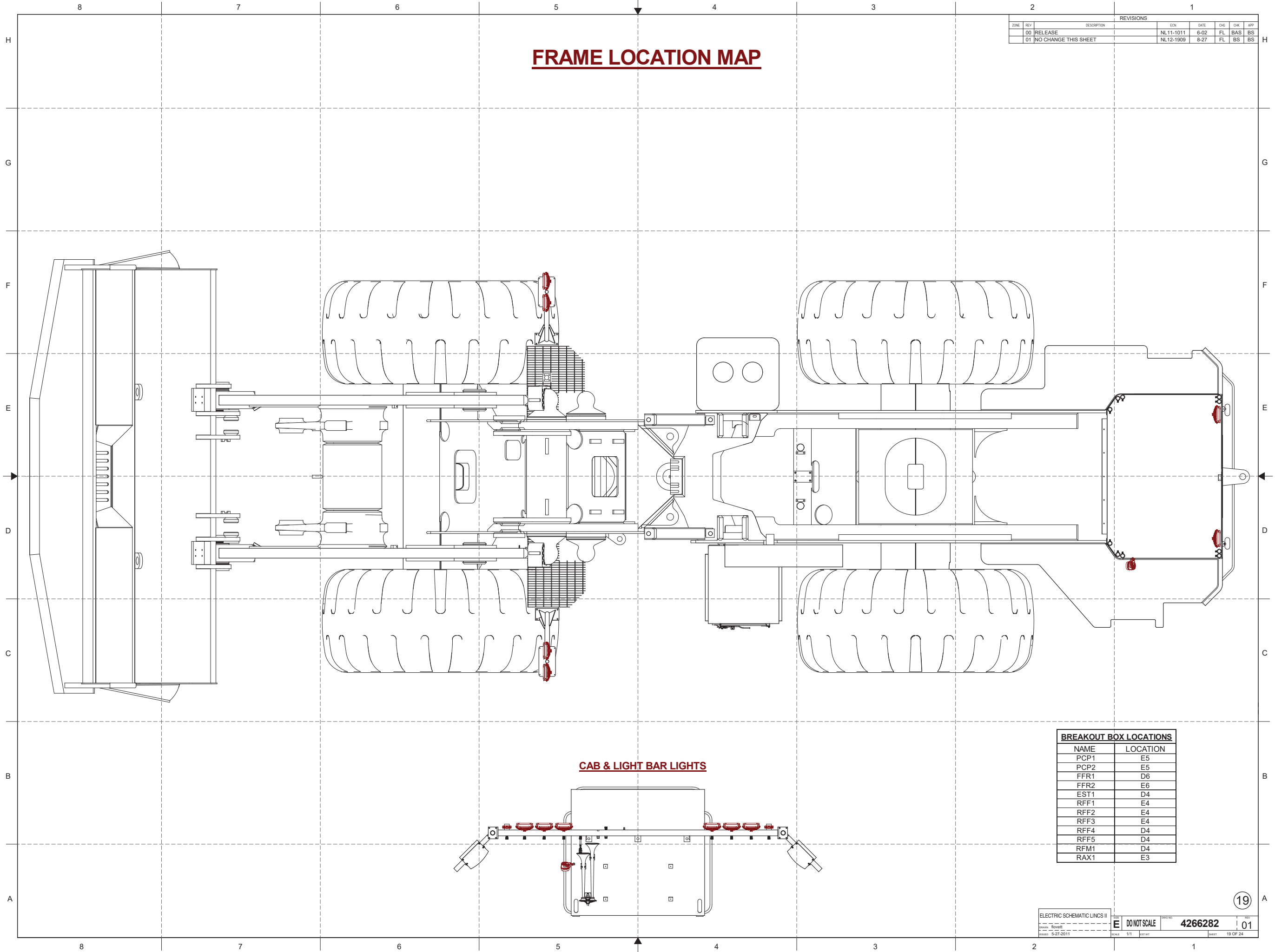
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			REVISIONS				
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	01	NO CHANGE THIS SHEET	NL12-1909	8-27	FL	BS	BS

FRAME LOCATION MAP



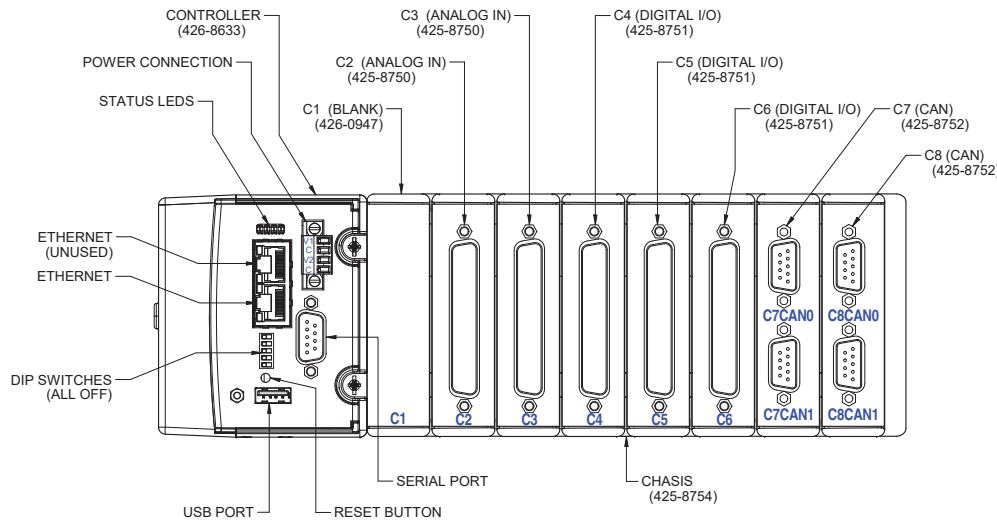
CAB & LIGHT BAR LIGHTS

BREAKOUT BOX LOCATIONS	
NAME	LOCATION
PCP1	E5
PCP2	E5
FFR1	D6
FFR2	E6
EST1	D4
RFF1	E4
RFF2	E4
RFF3	E4
RFF4	D4
RFF5	D4
RFM1	D4
RAX1	E3

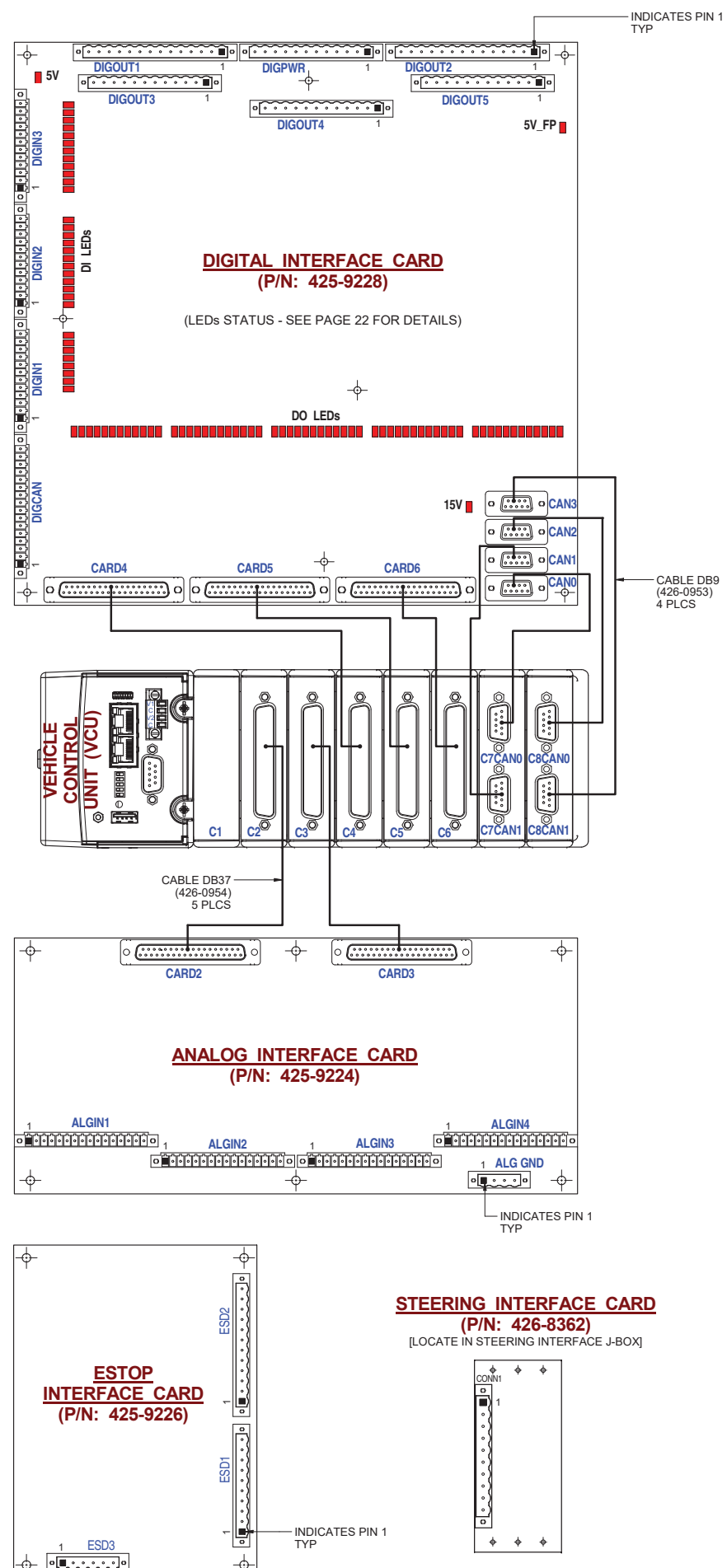
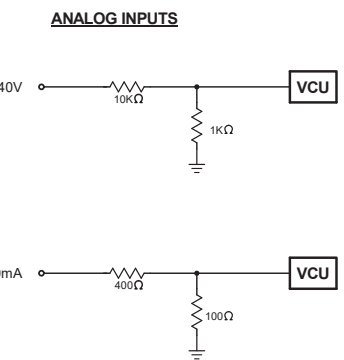
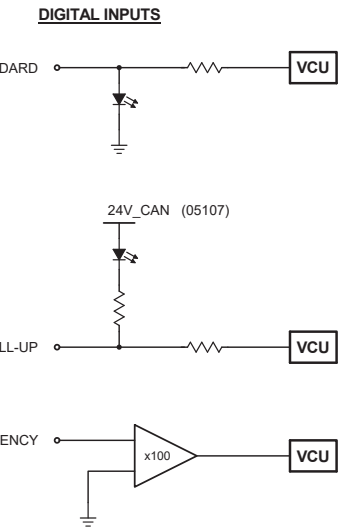
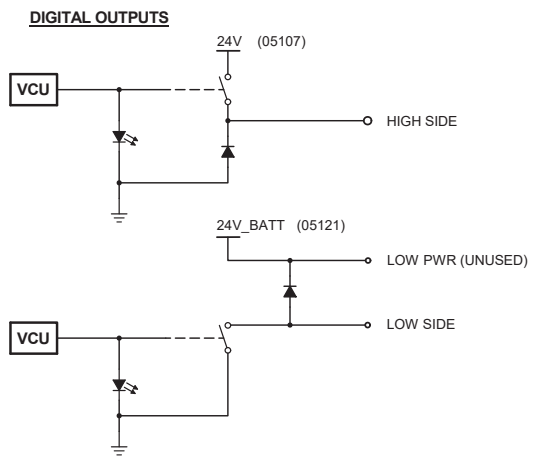
REFERENCE INFORMATION

REVISIONS						
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	00	RELEASE	NL11-1011	6-02	FL	BAS BS
	01	NO CHANGE THIS SHEET	NL12-1909	8-27	FL	BS BS

VEHICLE CONTROL UNIT (VCU) COMPONENT IDENTIFICATION



I/O EQUIVALENT CIRCUITS



REVISIONS		EN	DATE	CHK	APP
00	RELEASE	NL11-1011	6-02	FL	BAS BS
01	NO CHANGE THIS SHEET	NL12-1909	8-27	FL	BS BS

DIGITAL INTERFACE CARD STATUS LEDs

DI	FUNCTION	LINE #
36	ENGINE RED LAMP	13108, 13208, 14108, 14208
35	HYD RESERVOIR LEVEL SW	11103
34	DRIVE COOL RESERVOIR LEVEL SW	03255
33	ENGINE YELLOW LAMP	13110, 13210, 14110, 14210
32	UNUSED	----
31	FIRE SYSTEM STATUS	02140
30	UNUSED	----
29	ENGINE BLUE LAMP	14112, 14212
28	UNUSED	----
27	RIGHT REAR E-STOP SWITCH	02130
26	LEFT REAR E-STOP SWITCH	02132
25	HYD RESERVOIR E-STOP SW	02128

24	HV CABINET E-STOP SWITCH	02126
23	CAB E-STOP SWITCH	02124
22	LADDER POSITION SWITCH	11250
21	STARTER ISOLATION SWITCH	13143, 13243, 14136, 14236
20	KLENZ ENABLE SWITCH	10103
19	REAR DRIVER LUBE FLOW SWITCH	11114
18	UNUSED	----
17	UNUSED	----
16	UNUSED	----
15	ENGINE SAFETY FILTERS	10109
14	STEER SUPPLY PRESSURE SWITCH	17103
13	UNUSED	----

12	HV CABINET DOOR SWITCH	06203
11	FRONT DRIVER LUBE FLOW SWITCH	11112
10	AUTOLUBE SWITCHES	11108
9	UNUSED	----
8	PARK BRAKE SWITCH	02255
7	KEYSWITCH IGNITION	02208
6	KEYSWITCH CRANK SWITCH	02210
5	UNUSED	----

DIGITAL INPUTS
 DI5 - 32 LED OFF = 0 VDC INPUT LED ON = 24 VDC INPUT
 DI33 - 36 LED OFF = 24 VDC INPUT LED ON = 0 VDC INPUT

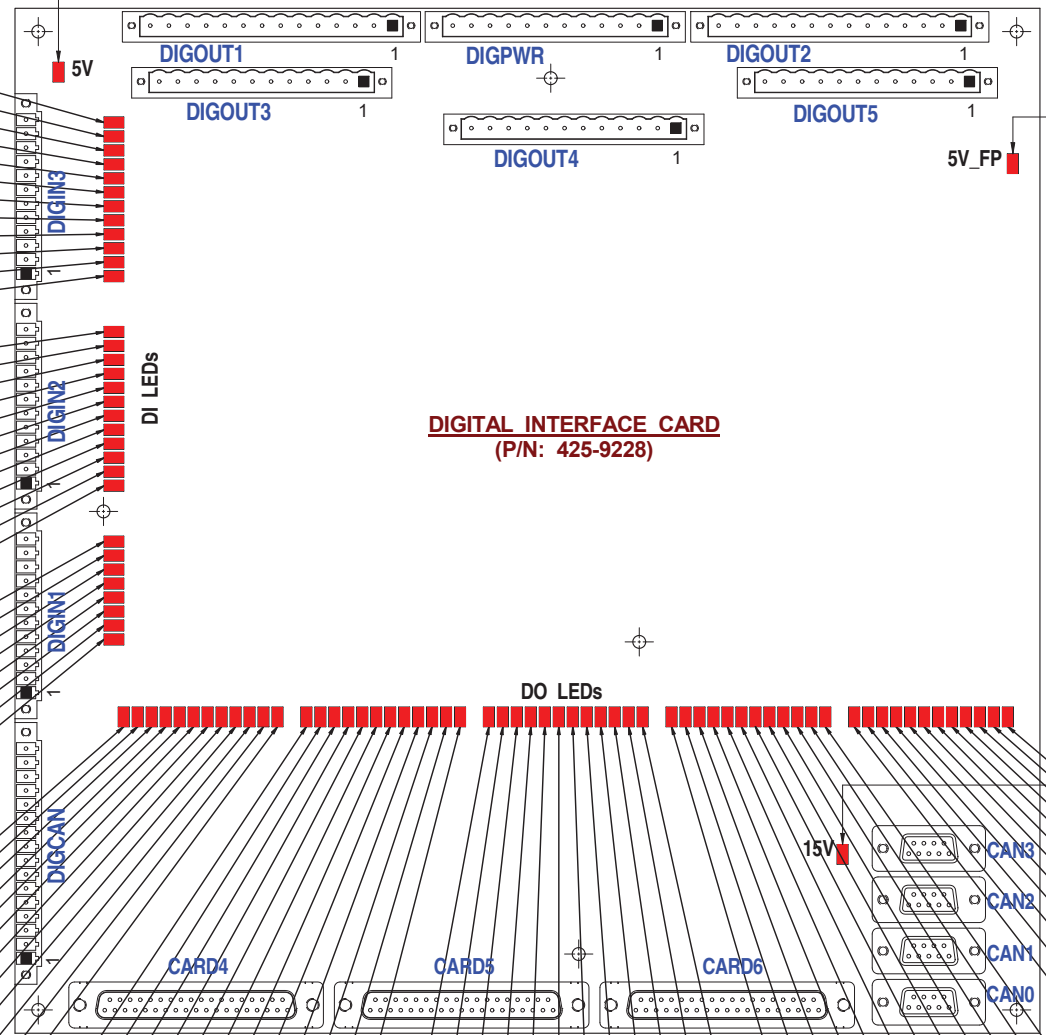
DO	FUNCTION	LINE #
1	UNUSED	----
2	VCU / HMI KEEP ALIVE	02214
3	IGNITION KEEP ALIVE OUTPUT	02203
4	POLE WORK LIGHTS	04103
5	CAB LIGHT BAR LIGHTS	04107
6	UNUSED	----
7	REAR COWL LIGHTS	04111
8	PARK BRAKE INTERLOCK OUTPUT	02249
9	RED ALARM LIGHT	04115
10	YELLOW WARNING LIGHT	04117
11	CAB AUDIBLE ALARM	04119
12	UNUSED	----

25	DUMP PRESS REDUCING SOL	11211
26	UNUSED	----
27	TAIL LIGHTS	04134
28	UNUSED	----
29	HOIST RAISE PILOT SOL	11203
30	BUCKET DUMP PILOT SOL	11209
31	BUCKET ROLL BACK PILOT SOL	11207
32	HOIST LOWER PILOT SOL	11205
33	CLAMSHHELL OPEN PILOT SOL	17141
34	CLAMSHHELL CLOSE PILOT SOL	17143
35	BEACON	04144
36	HORN SOL	10203

37	LEFT TURN SIGNAL	04125
38	RIGHT TURN SIGNAL	04130
39	KLENZ 1 SOL	10207
40	KLENZ 2 SOL	10209
41	KLENZ 3 SOL	10211
42	KLENZ 4 SOL	10213
43	KLENZ 5 SOL	10215
44	KLENZ 6 SOL	10217
45	KLENZ 7 SOL	10219
46	UNUSED	----
47	UNUSED	----
48	AUX STEER ENABLE	17107

49	UNUSED	----
50	OIL COOLER BYPASS SOL	11219
51	AUX FAN ENABLE SOL	17129
52	RADIATOR FAN CONTROL SOL	11221
53	STEER RIGHT OUTPUT	11238
54	ENGINE START CMD	13103, 13203, 14103, 14203
55	UNUSED	----
56	ENGINE IGNITION	13101, 13201, 14101, 14201
57	BLOWER CONTROL SOL	11223
58	BACKUP LIGHTS & ALARM	04138
59	UNUSED	----
60	STEER LEFT OUTPUT	11236

13	UNUSED	----
14	FRONT WASHER PUMP	03221
15	REAR WASHER PUMP	03223
16	PARK BRAKE SWITCH LIGHT	04121
17	FRONT WIPER HIGH	03215
18	FRONT WIPER LOW	03217
19	REAR WIPER LOW OUTPUT	03219
20	UNUSED	----
21	AUTOLUBE SOL	11225
22	FLOAT SOL	11213
23	DIGITAL OUTPUT POWER	02241
24	DRIVE SW POWER OUTPUT	02235

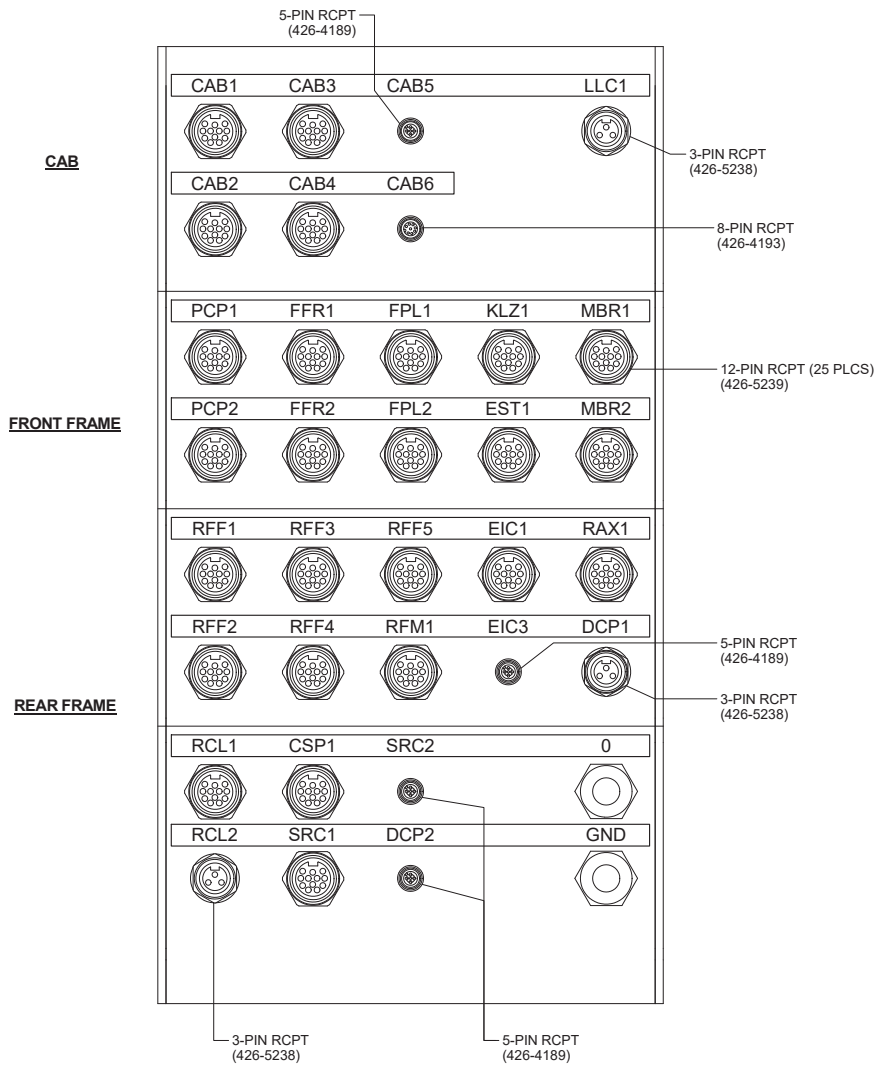


DIGITAL OUTPUTS
 LED OFF = 0% DUTY CYCLE
 LED ON = >0% DUTY CYCLE
 (BRIGHTNESS VARIES WITH DUTY CYCLE)

REFERENCE INFORMATION

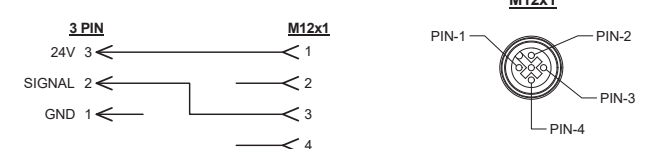
REV		DESCRIPTION	EN	DATE	CHK	CHK	APP
00	RELEASE		NL11-1011	6-02	FL	BAS	BS
01	NO CHANGE THIS SHEET		NL12-1909	8-27	FL	BS	BS

CONNECTOR IDENTIFICATION BACK PANEL CONNECTOR LOW VOLT CONTROL CABINET (LVCC) (425-8773)

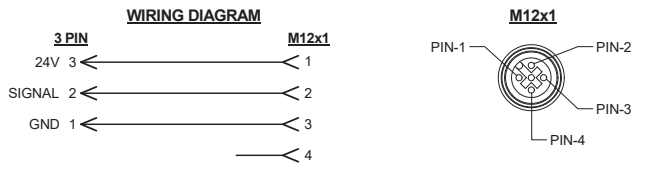


COMMON CABLES

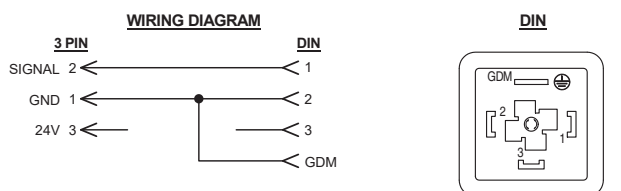
CABLE 3 PIN - M12x1 (GRAY) (426-5234)



CABLE 3 PIN - M12x1 3 CONDUCTOR (YELLOW) (426-7338)



CABLE 3 PIN - DIN (YELLOW) (426-5233)



FOR ADDITIONAL CABLES SEE:

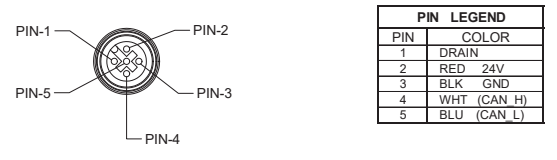
ASSY CAB WITH ELECTRICS 425-8779

GP HARNESS FRONT FRAME MACHINE SPECIFIC

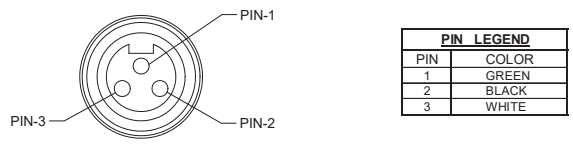
GP HARNESS REAR FRAME MACHINE SPECIFIC

CONNECTOR COLOR CODES

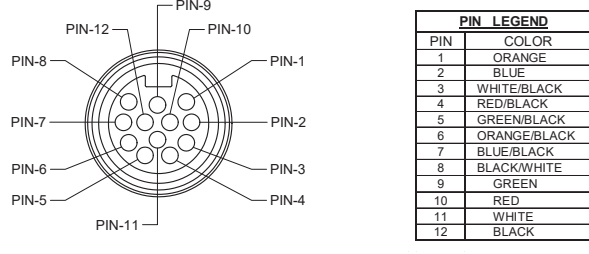
5 PIN FEMALE CAN RECEPTACLE



3 PIN FEMALE RECEPTACLE



12 PIN FEMALE RECEPTACLE



ZONE		REV	DESCRIPTION	EN	DATE	CHK	CHK	APP
00	00	RELEASE		NL11-1011	6-02	FL	BAS	BS
B8	01	RFF3 HST/BCKT PUMP A HARNESS CODE WAS RFF1-J5		NL12-1909	8-27	FL	BS	BS

BREAKOUT BOXES I/O

BREAKOUT BOX (426-5235)

FFR1

HARNESS CODE	SIGNAL PIN CODE	DEVICE DESCRIPTION	HARNESS CODE	SIGNAL PIN CODE	DEVICE DESCRIPTION
FFR1-J1	FFR1-07	AUTO LUBE SWITCHES	FFR1-J2	FFR1-01	UNUSED
FFR1-J3	FFR1-09	MAINTENANCE LIGHT LEFT FRONT	FFR1-J4	FFR1-02	FRONT SERVICE BRAKES XDCR
FFR1-J5	FFR1-03	AUTO LUBE SOL	FFR1-J6	FFR1-04	FRONT PARK BRAKES XDCR
FFR1-J7	FFR1-05	UNUSED	FFR1-J8	FFR1-06	FRONT PARK BRAKES SOL

RFF4

HARNESS CODE	SIGNAL PIN CODE	DEVICE DESCRIPTION	HARNESS CODE	SIGNAL PIN CODE	DEVICE DESCRIPTION
RFF4-J1	RFF4-07	SYSTEM AIR PRESS XDCR	RFF4-J2	RFF4-01	HPD GEARBOX TEMP XDCR
RFF4-J3	RFF4-09	RADIATOR FAN PUMP PRESS XDCR	RFF4-J4	RFF4-02	HPD GEARBOX PRESS XDCR
RFF4-J5	RFF4-03	BLOWER PUMP PRESS XDCR	RFF4-J6	RFF4-04	HYD RESERVOIR AIR PRESS XDCR
RFF4-J7	RFF4-05	BLOWER SPEED SENSOR	RFF4-J8	RFF4-06	UNUSED

FFR2

HARNESS CODE	SIGNAL PIN CODE	DEVICE DESCRIPTION	HARNESS CODE	SIGNAL PIN CODE	DEVICE DESCRIPTION
FFR2-J1	FFR2-07	LIFT ARM POSITION XDCR	FFR2-J2	FFR2-01	MAINTENANCE LIGHT RIGHT FRONT
FFR2-J3	FFR2-09	BELLCRANK TO LIFT ARM XDCR	FFR2-J4	FFR2-02	UNUSED
FFR2-J5	FFR2-03	CLAMSHHELL CYL EXT XDCR (OPT)	FFR2-J6	FFR2-04	UNUSED
FFR2-J7	FFR2-05	FRONT DRIVER LUBE FLOW SWITCHES	FFR2-J8	FFR2-06	UNUSED

RFF5

HARNESS CODE	SIGNAL PIN CODE	DEVICE DESCRIPTION	HARNESS CODE	SIGNAL PIN CODE	DEVICE DESCRIPTION
RFF5-J1	RFF5-07	FRONT WASHER PUMP	RFF5-J2	RFF5-01	AMBIENT AIR TEMPERATURE XDCR
RFF5-J3	RFF5-09	REAR WASHER PUMP	RFF5-J4	RFF5-02	L TO R ANGLE (DOZER)
RFF5-J5	RFF5-03	UNUSED	RFF5-J6	RFF5-04	F TO R ANGLE (DOZER)
RFF5-J7	RFF5-05	BLOWER SPEED CONTROL SOL	RFF5-J8	RFF5-06	UNUSED

PCP1

HARNESS CODE	SIGNAL PIN CODE	DEVICE DESCRIPTION	HARNESS CODE	SIGNAL PIN CODE	DEVICE DESCRIPTION
PCP1-J1	PCP1-07	BUCKET ROLLBACK PILOT SOL	PCP1-J2	PCP1-01	HOIST LOWER PILOT SOL
PCP1-J3	PCP1-09	BUCKET DUMP PILOT SOL	PCP1-J4	PCP1-02	HOIST RAISE PILOT SOL
PCP1-J5	PCP1-03	UNUSED	PCP1-J6	PCP1-04	BUCKET CYL ROD XDCR
PCP1-J7	PCP1-05	UNUSED	PCP1-J8	PCP1-06	UNUSED

EST1

HARNESS CODE	SIGNAL PIN CODE	DEVICE DESCRIPTION	HARNESS CODE	SIGNAL PIN CODE	DEVICE DESCRIPTION
EST1-J1	EST1-07	RIGHT REAR E-STOP SWITCH	EST1-J2	EST1-01	LEFT REAR E-STOP SWITCH
EST1-J3	EST1-09	HV CABINET E-STOP SWITCH	EST1-J4	EST1-02	HYD RESERVOIR E-STOP SWITCH
EST1-J5	EST1-03	CAB E-STOP SWITCH	EST1-J6	EST1-04	FIRE SYSTEM STATUS
EST1-J7	EST1-05	UNUSED	EST1-J8	EST1-06	UNUSED

PCP2

HARNESS CODE	SIGNAL PIN CODE	DEVICE DESCRIPTION	HARNESS CODE	SIGNAL PIN CODE	DEVICE DESCRIPTION
PCP2-J1	PCP2-07	GREATEST PILOT CMD XDCR	PCP2-J2	PCP2-01	CLAMSHHELL OPEN PILOT SOL (OPT)
PCP2-J3	PCP2-09	HOIST CYL BASE XDCR	PCP2-J4	PCP2-02	PILOT SUPPLY XDCR
PCP2-J5	PCP2-03	CLAMSEHLL CLOSE PILOT SOL (OPT)	PCP2-J6	PCP2-04	DUMP PRESS REDUCING SOL
PCP2-J7	PCP2-05	HOIST CYL ROD XDCR	PCP2-J8	PCP2-06	FLOAT SOL

RAX1

HARNESS CODE	SIGNAL PIN CODE	DEVICE DESCRIPTION	HARNESS CODE	SIGNAL PIN CODE	DEVICE DESCRIPTION
RAX1-J1	RAX1-07	REAR DRIVER LUBE FLOW SWITCHES	RAX1-J2	RAX1-01	UNUSED
RAX1-J3	RAX1-09	REAR PARK BRAKES SOL	RAX1-J4	RAX1-02	UNUSED
RAX1-J5	RAX1-03	REAR PARK BRAKES XDCR	RAX1-J6	RAX1-04	UNUSED
RAX1-J7	RAX1-05	REAR SERVICE BRAKES XDCR	RAX1-J8	RAX1-06	UNUSED

RFF1

HARNESS CODE	SIGNAL PIN CODE	DEVICE DESCRIPTION	HARNESS CODE	SIGNAL PIN CODE	DEVICE DESCRIPTION
RFF1-J1	RFF1-07	KLENZ RESERVOIR AIR XDCR	RFF1-J2	RFF1-01	HYD TANK DUMP SOL
RFF1-J3	RFF1-09	UNUSED	RFF1-J4	RFF1-02	UNUSED
RFF1-J5	RFF1-03	HYD RESERVOIR OIL TEMP XDCR	RFF1-J6	RFF1-04	STEER POSITION XDCR
RFF1-J7	RFF1-05	HYD RESERVOIR LEVEL SWITCH	RFF1-J8	RFF1-06	AUX FAN ENABLE SOL (OPT)

RFM1

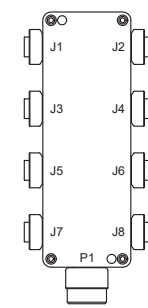
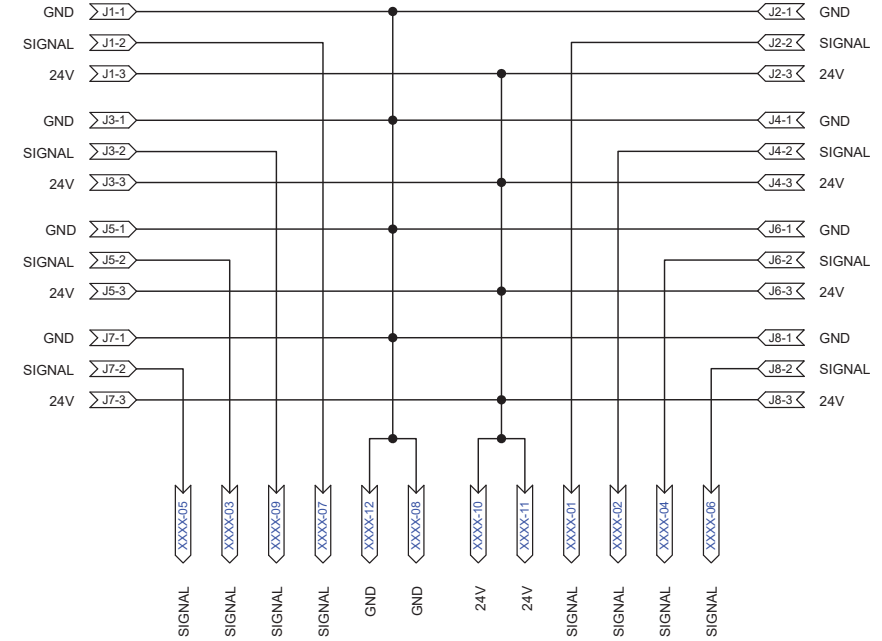
HARNESS CODE	SIGNAL PIN CODE	DEVICE DESCRIPTION	HARNESS CODE	SIGNAL PIN CODE	DEVICE DESCRIPTION
RFM1-J1	RFM1-07	RADIATOR FAN SPEED SENSOR	RFM1-J2	RFM1-01	ENGINE SAFETY FILTER RESTRICTION
RFM1-J3	RFM1-09	MAINTENANCE LIGHT MIDDLE LEFT	RFM1-J4	RFM1-02	UNUSED
RFM1-J5	RFM1-03	UNUSED	RFM1-J6	RFM1-04	FUEL LEVEL XDCR
RFM1-J7	RFM1-05	AUTO LUBE GREASE XDCR	RFM1-J8	RFM1-06	DRIVE COOL RESERVOIR LEVEL SWITCH

RFF2

HARNESS CODE	SIGNAL PIN CODE	DEVICE DESCRIPTION	HARNESS CODE	SIGNAL PIN CODE	DEVICE DESCRIPTION
RFF2-J1	24V ONLY	AIR DRYER HEATER	RFF2-J2	RFF2-01	RADIATOR FAN CONTROL SOL
RFF2-J3	RFF2-09	UNUSED	RFF2-J4	RFF2-02	MAINTENANCE LIGHT MIDDLE RIGHT
RFF2-J5	RFF2-03	* AUX STEER SUPPLY PRESS SWITCH (OPT)	RFF2-J6	RFF2-04	STEER LEFT OUTPUT
RFF2-J7	RFF2-05	* AUX STEER ENABLE (OPT)	RFF2-J8	RFF2-06	STEER RIGHT OUTPUT

RFF3

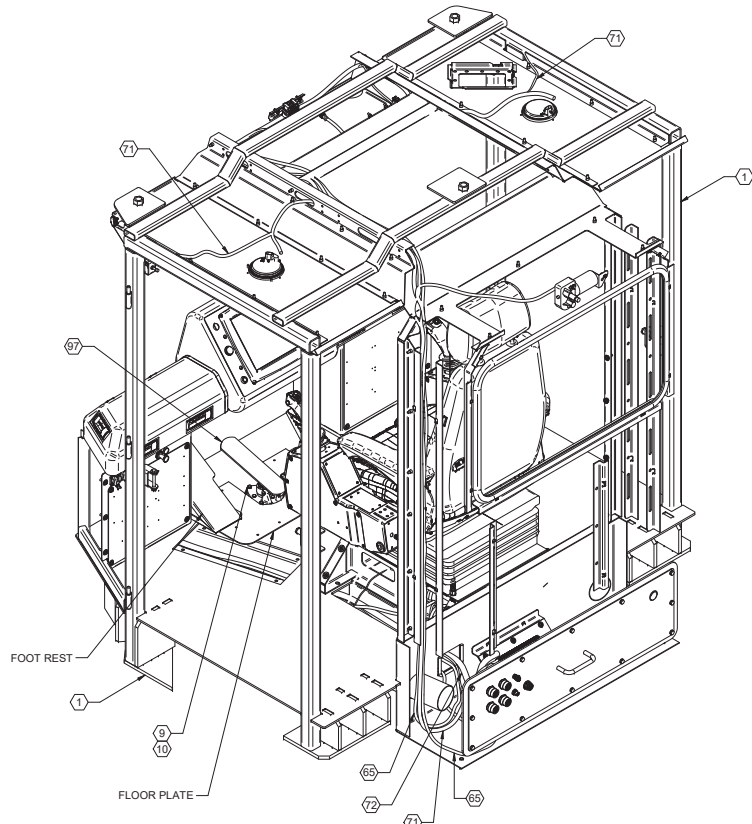
HARNESS CODE	SIGNAL PIN CODE	DEVICE DESCRIPTION	HARNESS CODE	SIGNAL PIN CODE	DEVICE DESCRIPTION
RFF3-J1	RFF3-07	HOIST/BUCKET PUMP C XDCR	RFF3-J2	RFF3-01	ACCESSORY PUMP XDCR
RFF3-J3	RFF3-09	HOIST/BUCKET PUMP B XDCR	RFF3-J4	RFF3-02	STEER PUMP A XDCR
RFF3-J5	RFF3-03	HOIST/BUCKET PUMP A XDCR	RFF3-J6	RFF3-04	STEER PUMP B XDCR
RFF3-J7	RFF3-05	FAST HOIST PUMP XDCR	RFF3-J8	RFF3-06	HYD OIL COOLER BYPASS SOL



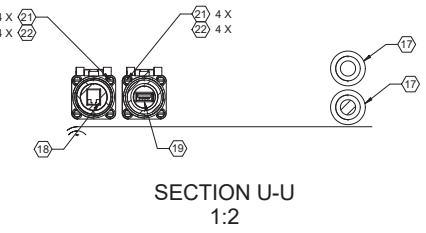
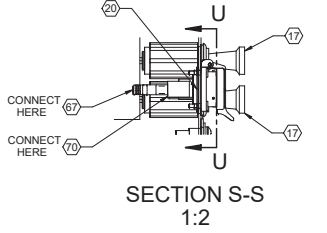
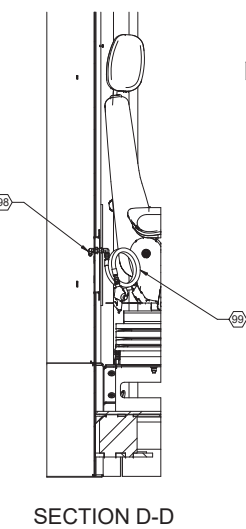
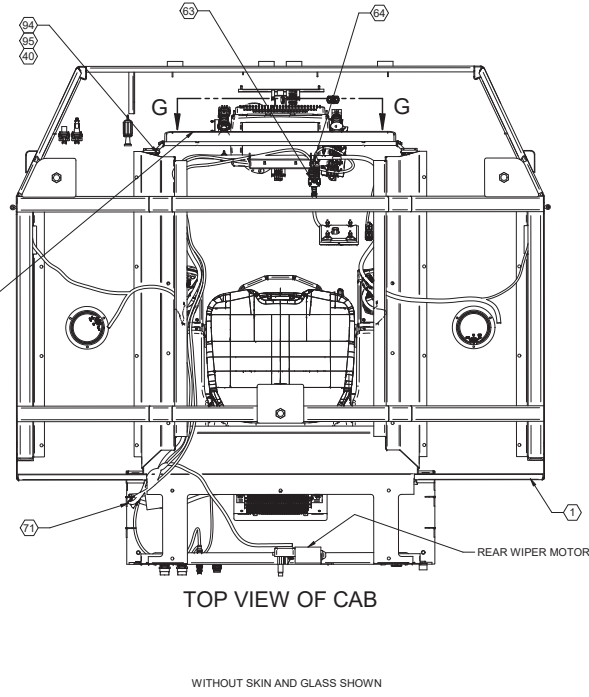
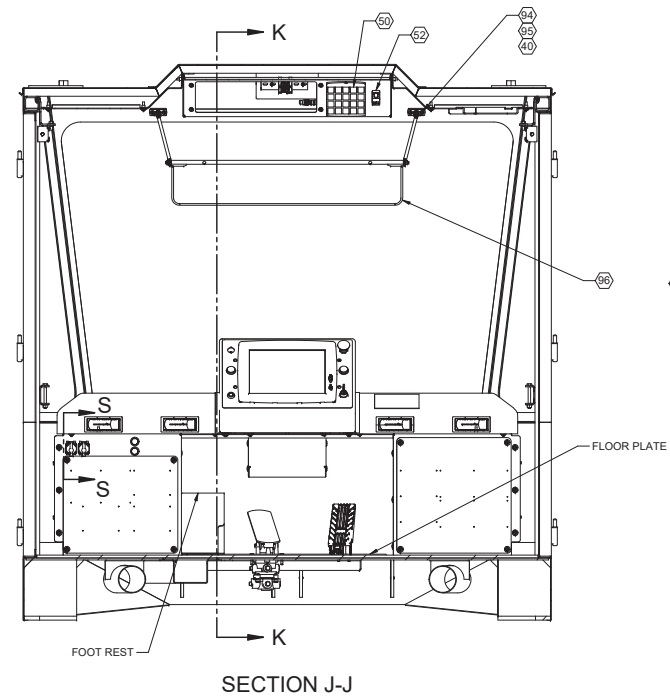
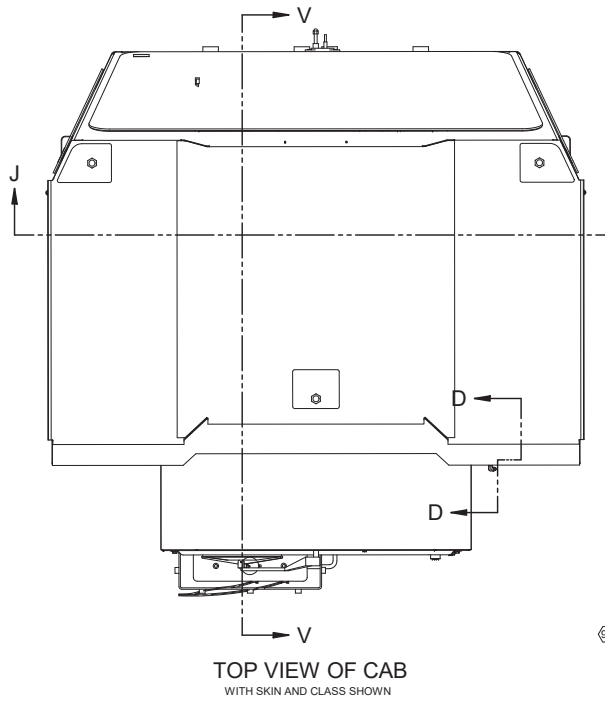
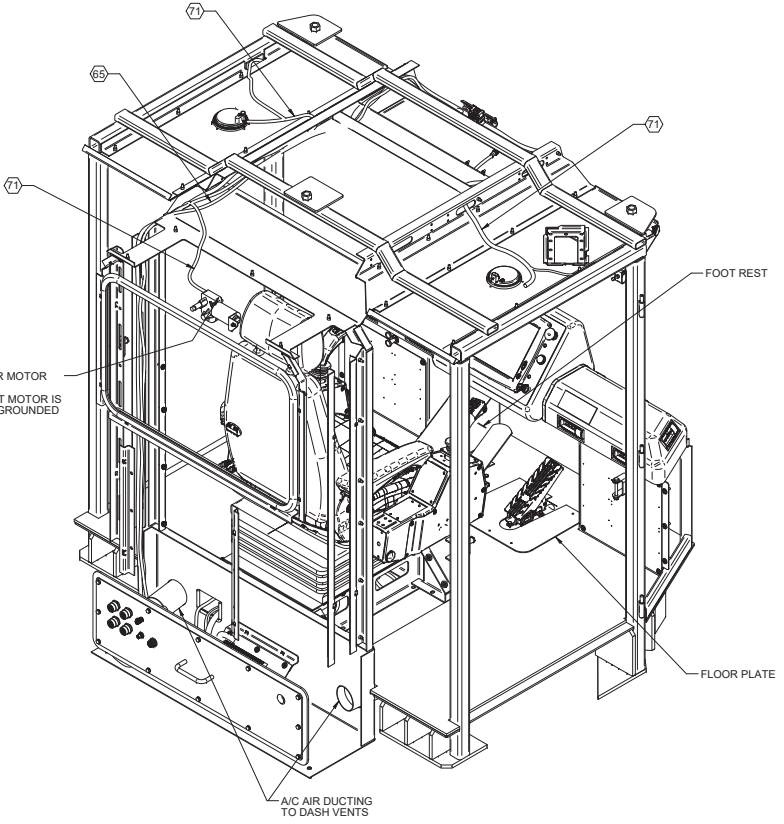
Cab Wiring Diagram LINCS II

REV		DESCRIPTION	EN	DATE	CHK	APP
B2	E2	03	ITEM 19 WAS PIN 4266755; ITEM 67 WAS PIN 4265212 IN BOM			
E2	03	03	ITEM 64 WAS PIN 4266253 IN BOM	1329391	7-20-16	JFM KD JS

ITEM	PART NO.	QTY	DESCRIPTION	ITEM	PART NO.	QTY	DESCRIPTION
106	4240201	1	WEDGE W3S DEUTSCH				
105	4240200	3	SOCKET CONTACT, SIZE 16, GOLD PL				
104	4240202	1	PLUG DT06-3S DEUTSCH				
103	4240205	3	CONTACT PIN SIZE 16				
102	4240206	1	WEDGE W3P DEUTSCH				
101	4240204	1	RECEPTACLE DT04-3P DEUTSCH				
100	4153882	2	SEALING PLUG #12-16 AWG				
99	4274391	1	ASSY AIR BLOW GUN G2				
98	4020763	1	90ADPT 1/4MX1/4MJ BULKHEAD				
97	4274390	1	ASSY DUAL BRAKE VALVE				
96	4116716	1	SUN VISOR ASSEMBLY 6 x 30				
95	4012631	4	MSCR PH #10 .438 NF				
94	0810880	4	WASHER FLAT .219 .50 .07				
93	4270334	1	KIT WINDSHIELD WASHER 10 LITER				
92	4266246	1	CABLE EXT CAN 0.5M				
91	4270206	20	FERRULE INSUL 14AWG .315LG INSERT BLUE				
90	4270205	91	FERRULE INSUL 16AWG .315LG INSERT BLK				
89	4228722	1	MARKER DIN TERM BLOCK#21-230				
88	4228723	1	MARKER DIN TERM BLOCK#231-240				
87	4228710	1	MARKER DIN TERM BLOCK#101-110				
86	4266258	1	CODE SHEET CAB LNC'S 2				
85	4228711	1	MARKER DIN TERM BLK #111-120				
84	4228712	1	MARKER DIN TERM BLOCK#121-130				
83	4228713	1	MARKER DIN TERM BLOCK#131-140				
82	4228721	1	MARKER DIN TERM BLOCK#211-220				
81	4228720	1	MARKER DIN TERM BLOCK#201-210				
80	4266261	1	LABELS LINC'S II CAB DASH				
79	4228700	2	MARKER DIN TERMINAL BLOCK #1-10				
78	4185765	1	WEDGE LOCK, RECEPTACLE				
77	4185764	2	SOCKET CONTACT, SIZE 16				
76	4185763	10	PIN CONTACT, SIZE 16				
75	4185761	1	RECEPTACLE 12 WAY				
74	4212588	4.0	WIRE HOOKUP #18 AWG 1000V RED/WHT				
73	4120401	34	CABLE #16 AWG EXANE DLO 600 VAC				
72	4268381	1	HARNES CAB LOWER				
71	4268380	1	HARNES CAB UPPER				
70	4274679	1	CAT5e PATCH CABLE 3 FT				
69	4274677	1	CAT5e PATCH CABLE 10 FT				
68	4259325	15	CONDUIT SLIT LOOM 1/4 INCH				
67	4286141	1	CABLE USB 3.0 A MALE-A MALE 2M				
66	4239644	1	COM PORT ADAPTER				
65	4265838	2	CABLE EXT CAN 4.3M				
64	4286130	1	CAN Y MALE - 2 FEM TURCK				
63	4267774	1	CABLE KEYPAD LINC'S II				
62	4268538	1	CABLE RJ11 - OPEN 3M				
61	4268346	REF	CABLE USB TOUCH SCREEN 5M				
60	4268348	1	CABLE VIDEO DVI-A M TO HD15 M 3m				
59	4264192	1	RCPT E-NET MALE-RJ45/2M				
58	4266255	2	RCPT CAN FEED THRU				
57	4046896	7	CONDUIT SEAL RING .500				
56	4265238	1	RCPT 3 PIN FEM/3M 1/2-14NPT				
55	4265239	1	RCPT 12 PIN FEM/3M 1/2-14NPT				
54	4265839	1	RECEPTACLE 3 PIN MALE 5M				
53	4264983	4	RECP 12 PIN MALE/4M 1/2-14NPT				
52	4270329	1	ROCKER SWITCH 15A 24V				
51	4268321	4	NUT LOCK NYL INS M5				
50	4264118	1	KEYPAD CAN LINC'S II				
49	4265750	1	SWITCH NETWORK 4-PORT				
48	4266266	19	BRIDGE FIXED PHOENIX FB10-6				
47	4228656	12	PLATE SEPARATING PHOENIX TS-KK3				
46	4264184	1	TERM BLK COVER PHOENIX 27 71 02 3				
45	4265756	7	BRACKET END PHOENIX 08 00 88 6				
44	4264180	29	TERM BLK GRAY PHOENIX 27 71 14 6				
43	4228646	2	TERM BLOCK 2 TERM #24 - 10 AWG DIN GND				
42	4264183	3	TERM BLK GND PHOENIX 27 74 21 1				
41	4227190	6	TERM BLOCK 1-2 TERM #10 AWG				
40	4010907	10	WASHER LOCK SPR. 190 .334 .047				
39	4010283	6	MSCR PH #10 .500 NF				
38	4239908	1	RAIL MOUNTING 6 INCH LG DIN				
37	4268563	1	TERMINAL MARKERS CAB				
36	4251863	2	RAIL MOUNTING 11.00 LONG DIN				
35	4094849	1	ALARM ELECTRONIC				
31	4270330	1	KEY SWITCH ASSEMBLY				
30	4265193	1	OPERATOR PUSH PULL AMBER NC				
29	4274443	1	E-STOP SWITCH 22MM				
28	4240171	1	LIGHT ASSY YELLOW LED SUPERBRIGHT				
27	4240170	1	LIGHT ASSY RED LED SUPERBRIGHT				
26	4239848	1	READ HEAD-BUTTON				
25	0819904	4	WASH LK STL #8				
24	4012415	4	MSCR PH #8-32 UNC X 1.00				
23	4265199	1	SCREEN TOUCH LINC'S II				
22	4010905	8	WASHER LOCK SPR #4				
21	4245454	8	MSCR PH #4 .500 NC SS				
20	4240483	2	NUT PLATE - SHELL SIZE 18				
19	4286140	1	RCPT USB-A W/CAP				
18	4265754	1	RCPT ETHERNET W/CAP				
17	4100796	2	LIGHTER 12V				
16	0814157	2	BOLT HX .250 1.000 NC G8				
15	4259998	1	ACCELERATOR PEDAL 35" FIXED				
13	4010922	3	WASHER FLAT .188 .44 .07				
12	0184949	3	WASHER STAR EXT #8				
11	0989217	3	SCREW PH #8-32 UNC-2A x 5/8LG				
10	0213584	9	WASHER LOCK SPR .25 .49 .06				
9	4009612	7	BOLT HX .250 1.250 NC G8				
8	4266271	1	MOUNT HMI UNO				
7	4270183	1	HMI WITH SOFTWARE				
6	0753123	4	WASHER LOCK SPR .375 .68 .09				
5	0808221	4	WASHER FLAT .375 .81 .08				
4	0812921	4	NUT HX 0.375-16UNC-2B G8 PL				
3	0808476	4	BOLT HX .375 1.250 NC G8				
2	4267775	1	ASSY SEAT LINC'S II				
1	4274711	1	CAB W/FLOORPLATE & FOOTREST-G2				



REAR WIPER MOTOR
NOTE:
VERIFY THAT MOTOR IS
PROPERLY GROUNDED



ITEM	PART NO.	QTY	DESCRIPTION
112	4274642	1	P/NL, DISPLAY MNT LINC'S II TOUCH SCREEN
111	4019420	2	WIRE TERM RT 16-14 .25 INS (BLU)
110	0508807	1	WASHER LOCK EXT .256 .51 .03
109	4105645	1	NUT HEX, 1/4-20 UNC-2B SS
108	4105637	1	BOLT HX .250 .500 NC SS
107	4274680	1.5	SELF-GRIPPING VINYL EDGE

UNLESS OTHERWISE SPECIFIED:
- DIMENSIONS ARE IN INCHES & APPLY BEFORE PLATING OR FINISH COATINGS
- TOLERANCES ON: FRACTIONS .1" ±.016 ANGLES .1° ±.016 XX DECIMAL ±.03 XXX DECIMAL ±.015
- MACHINED CORNERS: R64 X .45
- WELD PROPERTIES SHALL MEET THE MINIMUM REQUIREMENTS OF THE BASE MATERIAL.
THIRD ANGLE PROJECTION

DATE	BY	DESC
5-21-12	J.MARTIN	ENGR
5-21-12	B.SHAFER	CHK
5-21-12	B.SHAFER	ENGR
5-21-12	B.SHAFER	PROJ ENGR
5-21-12	B.SHAFER	PROJ APPROVAL
		MATL

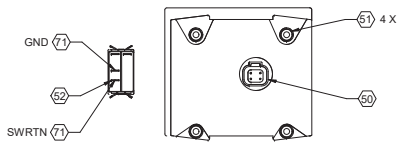
LeTourneau Technologies™

GP CAB WITH ELECTRICS

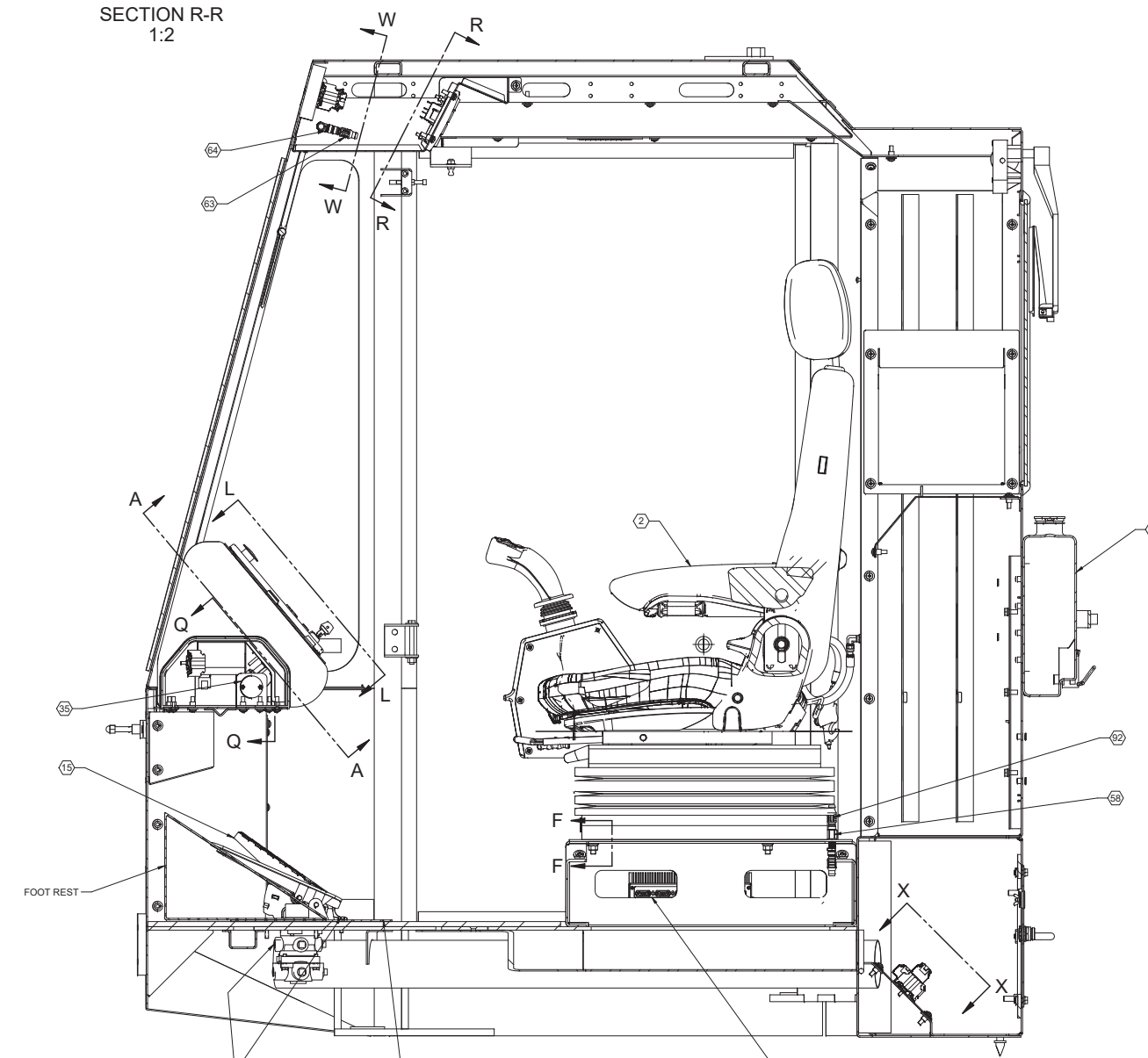
DO NOT SCALE **4274640** 1 OF 5

SCALE 1/8 (SEE DET 2413.6 BOM) SHEET 1 OF 5

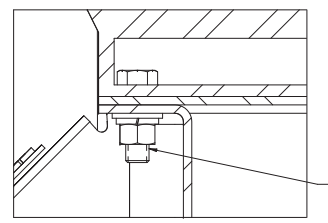
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03		NO CHANGE THIS SHEET	1329391	7-20-16	JFM	KD JS



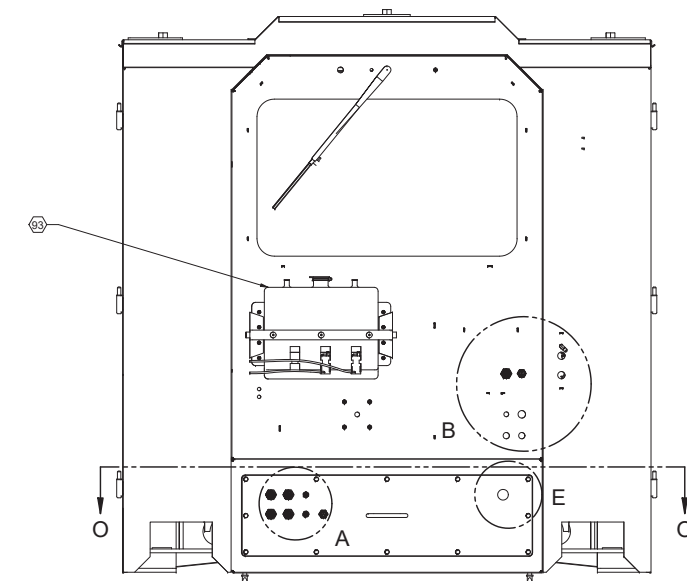
SECTION R-R
1:2



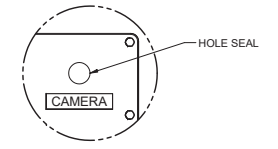
SECTION V-V
1:4
FROM TOP VIEW ON SHEET 1



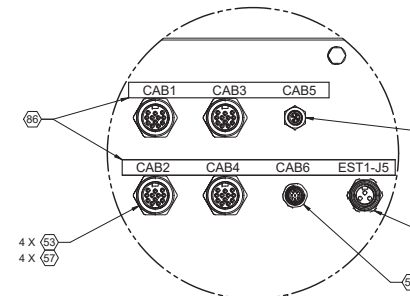
SECTION F-F
1:1



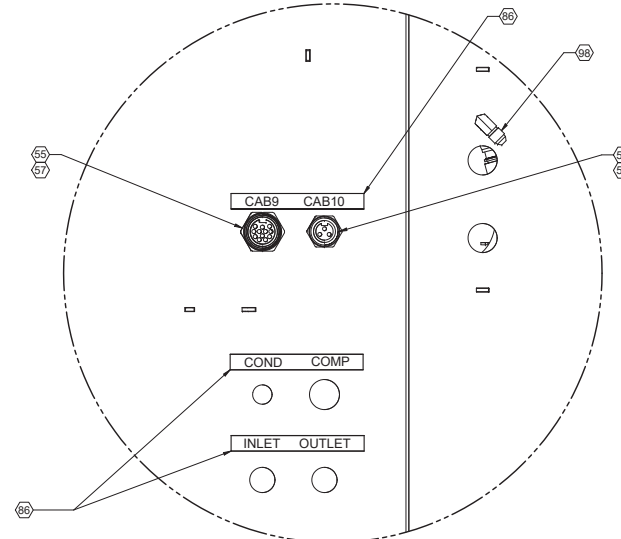
BACK VIEW OF CAB



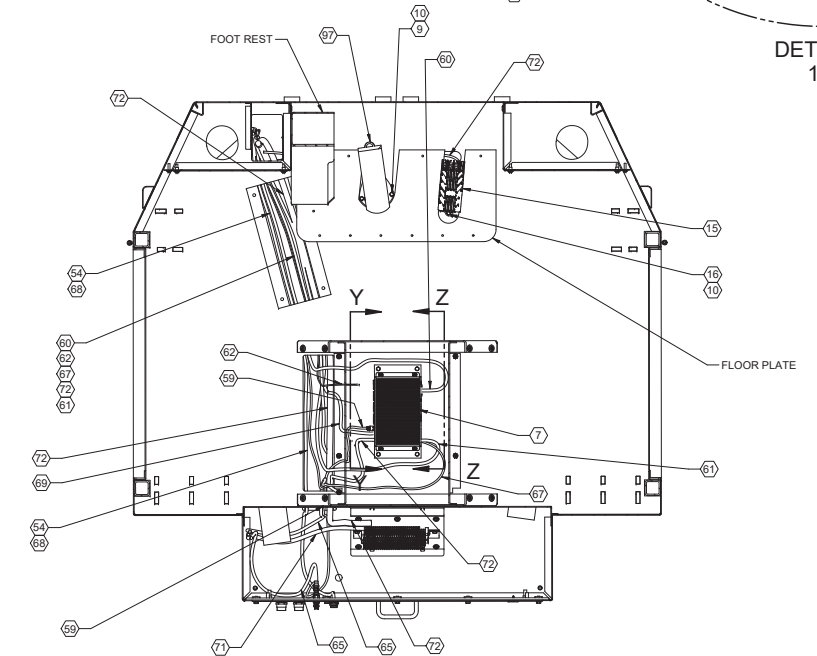
DETAIL E
1:4



DETAIL A
1:2



DETAIL B
1:2



SECTION O-O

GP CAB WITH ELECTRICS		SCALE	1/8	DATE	5-21-12	DESIGNER	J. MARTIN	NO. OF SHEETS	2 OF 5
E		DO NOT SCALE							
4274640									
03									

8

7

6

5

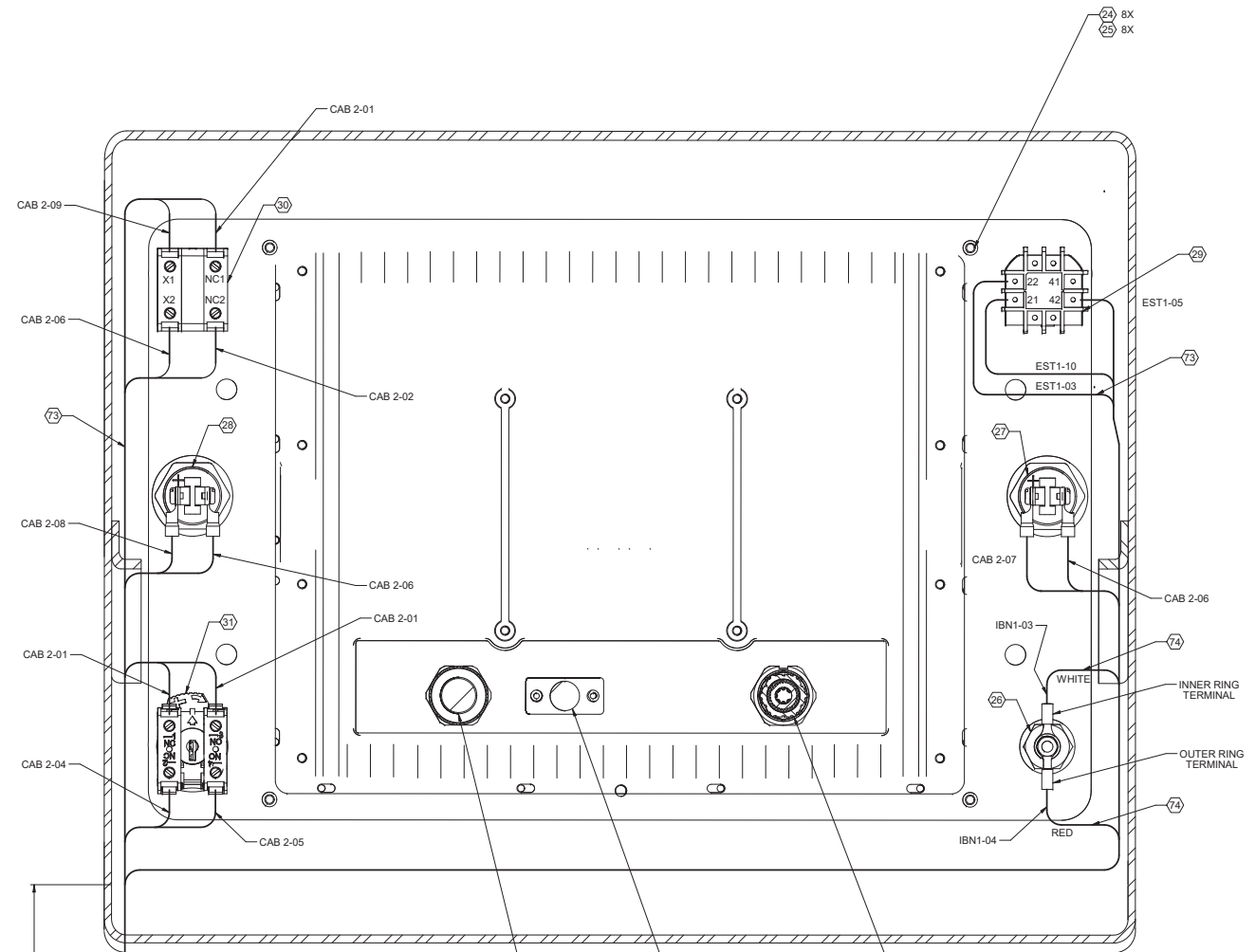
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3

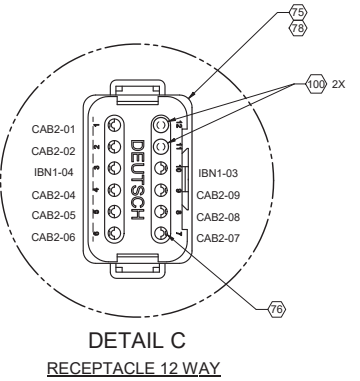
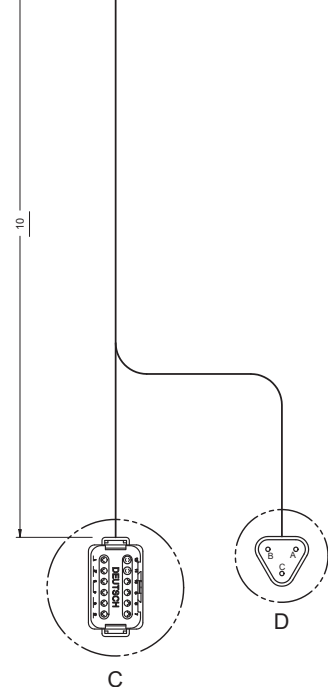
2

1

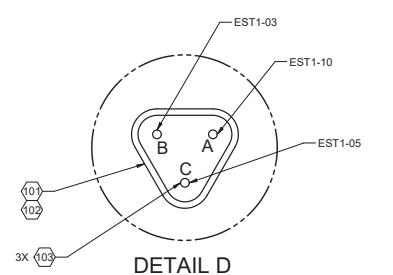
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ZONE	REV	DATE	CHK	DATE	CHK	CHK	APP	
03			NO CHANGE THIS SHEET	1329391	7-20-16	JFM	KD JS	



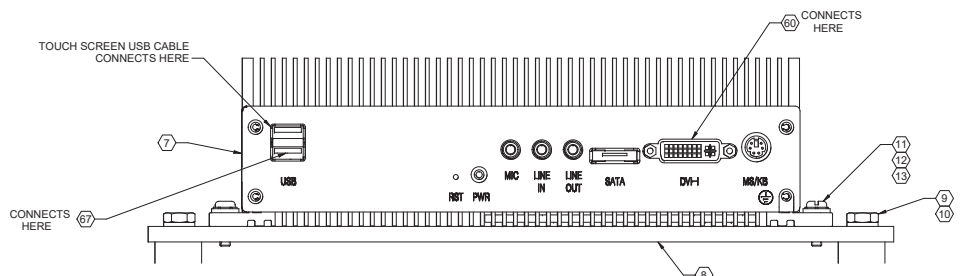
SECTION A-A
1:1
FROM SECTION V-V SHEET 2
DASH CENTER CONSOLE WIRING
REAR VIEW



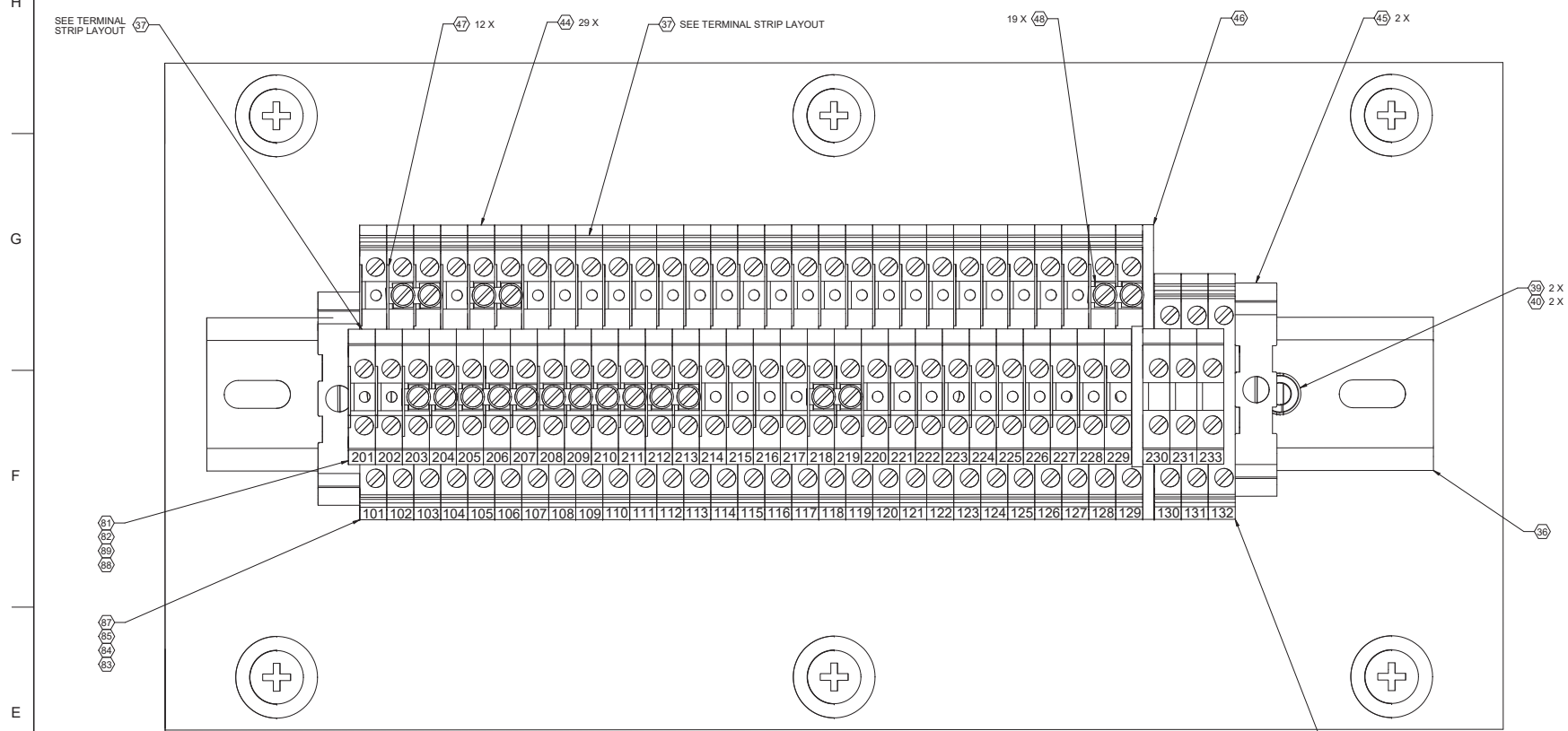
DETAIL C
RECEPTACLE 12 WAY



DETAIL D
RECEPTACLE 3 WAY



REVISIONS						
ZONE	REV	DESCRIPTION	EN	DATE	CHK	APP
03		NO CHANGE THIS SHEET	1329391	7-20-16	JFM	KD JS



**SECTION X-X
2:1**
FROM SECTION V-V SHEET 2
REAR DIN RAIL COMPONENTS

TURCK12 AND 3 PIN CONNECTORS				
CONNECTOR-PIN	WIRE CODE	WIRE COLOR	DESTINATION	TERMINAL BLOCK
CAB1-01	ORN		101-L	
CAB1-02	BLU		104-L	
CAB1-03	WHT/BLK		208-L	
CAB1-04	RED/BLK		209-L	
CAB1-05	GRN/BLK		102-L	
CAB1-06	ORN/BLK		105-L	
CAB1-07	BLU/BLK		107-L	
CAB1-08	BLK/WHT		108-L	
CAB1-09	GRN		109-L	
CAB1-10	RED		110-L	
CAB1-11	WHT		111-L	
CAB1-12	BLK		112-L	
CAB2-01	ORN		113-L	
CAB2-02	BLU		114-L	
CAB2-03	WHT/BLK		115-L	
CAB2-04	RED/BLK		116-L	
CAB2-05	GRN/BLK		117-L	
CAB2-06	ORN/BLK		118-L	
CAB2-07	BLU/BLK		119-L	
CAB2-08	BLK/WHT		120-L	
CAB2-09	GRN		121-L	
CAB2-10	RED		122-L	
CAB2-11	WHT		123-L	
CAB2-12	BLK		124-L	
CAB3-01	ORN		201-L	
CAB3-02	BLU		202-L	
CAB3-03	WHT/BLK		203-L	
CAB3-04	RED/BLK		205-L	
CAB3-05	GRN/BLK		210-L	
CAB3-06	ORN/BLK		204-L	
CAB3-07	BLU/BLK		206-L	
CAB3-08	BLK/WHT		211-L	
CAB3-09	GRN		212-L	
CAB3-10	RED		214-L	
CAB3-11	WHT		215-L	
CAB3-12	BLK		216-L	
CAB4-01	ORN		217-L	
CAB4-02	BLU		218-L	
CAB4-03	WHT/BLK		220-L	
CAB4-04	RED/BLK		221-L	
CAB4-05	GRN/BLK		222-L	
CAB4-06	ORN/BLK		223-L	
CAB4-07	BLU/BLK		224-L	
CAB4-08	BLK/WHT		225-L	
CAB4-09	GRN		226-L	
CAB4-10	RED		227-L	
CAB4-11	WHT		228-L	
CAB4-12	BLK		229-L	
CAB9-01	ORN		217-R	
CAB9-02	BLU		218-R	
CAB9-03	WHT/BLK		220-R	
CAB9-04	RED/BLK		221-R	
CAB9-05	GRN/BLK		128-R	
CAB9-06	ORN/BLK		129-R	
CAB9-07	BLU/BLK		127-L	
CAB9-08	BLK/WHT		NC	
CAB9-09	GRN		NC	
CAB9-10	RED		NC	
CAB9-11	WHT		NC	
CAB9-12	BLK		NC	
CAB10-1	GRN		219-L	
CAB10-2	BLK		127-R	
CAB10-3	WHT		NC	

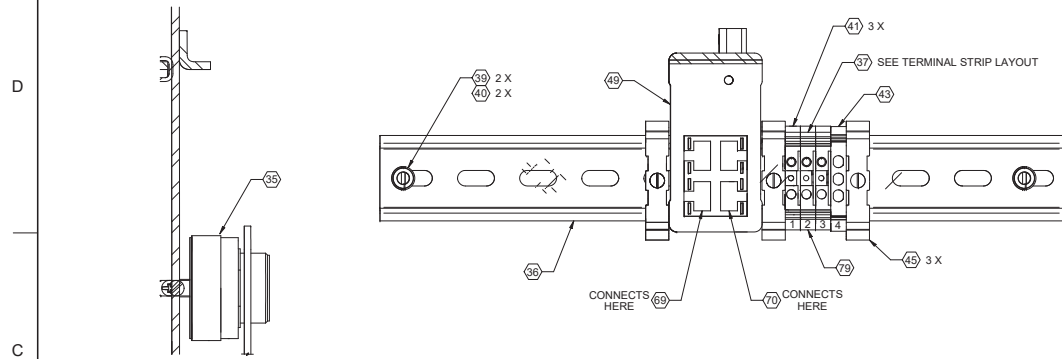
LOWER HARNESS	
WIRE CODE	DESTINATION
CAB1-01	101-R
CAB1-02	104-R
CAB1-05	102-R
CAB1-05	103-R
CAB1-06	105-R
CAB1-06	106-R
CAB1-07	107-R
CAB1-08	108-R
CAB1-09	109-R
CAB1-10	110-R
CAB1-11	111-R
CAB1-12	112-R
CAB2-01	113-R
CAB2-02	114-R
CAB2-03	115-R
CAB2-04	116-R
CAB2-05	117-R
CAB2-06	118-R
CAB2-07	119-R
CAB2-08	120-R
CAB2-09	121-R
CAB3-10	214-R
CAB3-11	215-R
CAB3-12	216-R
0D	203-R
0EA	205-R
12V2	208-R
12V2	209-R
12V2	210-R
GND	130-R
GND	131-R

UPPER HARNESS	
WIRE CODE	DESTINATION
CAB3-01	201-R
CAB3-02	202-R
CAB3-09	212-R
CAB3-09	213-R
0D	204-R
0EA	206-R
12V2	211-R
GND	132-R

AC HARNESS	
WIRE COLOR	DESTINATION
RED	222-R
BLK	223-R
LT GRN	128-L

EST1-J5 CONNECTOR *		
CONNECTOR-PIN	WIRE CODE	DESTINATION
EST1-05	GRN	PN C
EST1-03	BLK	PN B
EST1-10	WHT	PN A

* CUT WIRES TO LENGTH NEEDED TO MATE WITH 3 PIN CONNECTOR ITEM 101 FROM THE E-STOP SWITCH.



**SECTION Q-Q
1:1**
FROM SECTION V-V SHEET 2
DASH DIN RAIL COMPONENTS

**12 PIN DEUTSCH CONNECTOR
ON LOWER HARNESS**

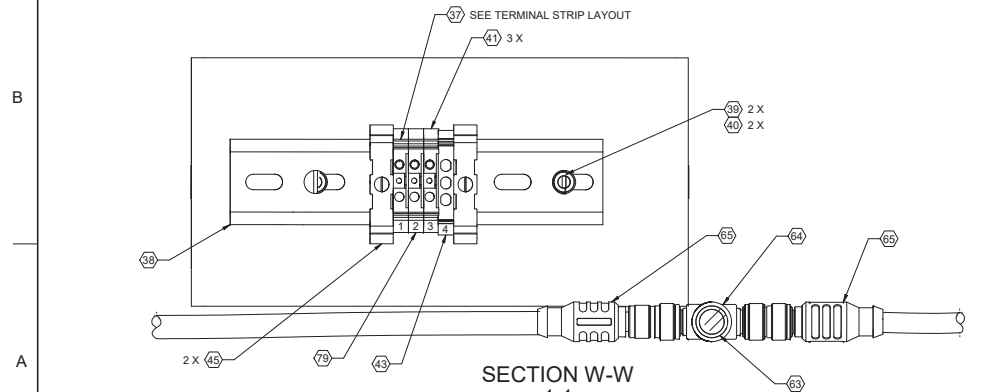
- NOTES:
- 1) REMOVE WEDGE FROM 12 PIN DEUTSCH CONNECTOR ON LOWER HARNESS
 - 2) CRIMP PINS (ITEM 77) TO WIRES SHOWN ABOVE & LABEL APPROPRIATELY
 - 3) REMOVE PLUGS FROM UNUSED HOLES 3 & 10
 - 4) INSTALL PINS IN CORRECT HOLES AS SHOWN ABOVE
 - 5) REINSTALL THE WEDGE ON THE 12 PIN DEUTSCH CONNECTOR

NOTE:
SEE TERMINAL BLOCK TORQUE SPECIFICATIONS CHART PRIOR TO INSTALLING WIRES IN THE TERMINAL BLOCKS.

ITEM NO.	LT/PIN	MIN TORQUE (lb in)	MAX TORQUE (lb in)	MIN TORQUE (Nm)	MAX TORQUE (Nm)
41	4227190	5.3	7.1	0.6	0.8
42	4264183	5.3	7.1	0.6	0.8
43	4228646	5.3	7.1	0.6	0.8
44	4264180	5.3	7.1	0.6	0.8

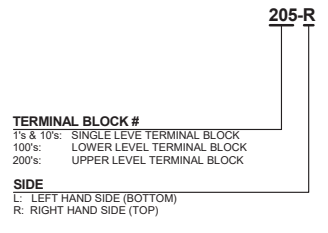
LOWER LEVEL		UPPER LEVEL	
TERMINAL BLOCK #	LABEL	TERMINAL BLOCK #	LABEL
101	CAB1-01	201	CAB3-01
102	CAB1-05	202	CAB3-02
103	CAB1-05	203	0D
104	CAB1-02	204	0D
105	CAB1-06	205	0EA
106	CAB1-06	206	0EA
107	CAB1-07	207	0EA
108	CAB1-08	208	12V2
109	CAB1-09	209	12V2
110	CAB1-10	210	12V2
111	CAB1-11	211	12V2
112	CAB1-12	212	CAB3-09
113	CAB2-01	213	CAB3-09
114	CAB2-02	214	CAB3-10
115	CAB2-03	215	CAB3-11
116	CAB2-04	216	CAB3-12
117	CAB2-05	217	0TA1
118	CAB2-06	218	HVAC4
119	CAB2-07	219	HVAC4
120	CAB2-08	220	0TA2
121	CAB2-09	221	HVAC3
122	CAB2-10	222	CAB4-05
123	CAB2-11	223	CAB4-06
124	CAB2-12	224	CAB4-07
125		225	CAB4-08
126		226	CAB4-09
127	HVAC2	227	CAB4-10
128	HVAC1	228	CAB4-11
129	HVAC1	229	CAB4-12
130		230	
131		231	
132		232	

LOWER CONSOLE		UPPER CONSOLE	
1	0D	1	0D
2	0EA	2	0EA
3	12V2	3	12V2
4		4	

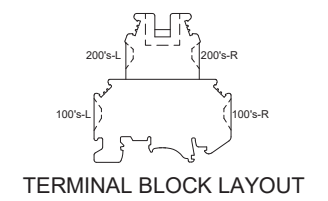


**SECTION W-W
1:1**
FROM SECTION V-V SHEET 2
UPPER DIN RAIL COMPONENTS

LEGEND



- [] : TERMINAL BRIDGE
- - : SEPERATING PLATE
- : SPACER COVER



TERMINAL BLOCK LAYOUT

		REVISIONS					
ZONE	REV	DESCRIPTION	ENR	DATE	CHK	DRK	APP
E7	03	PIN 4286140 WAS 4265755 AT USB SERVICE.					
D7	03	PIN 4286141 WAS 4265212 AT USB2 SERVICE					
E3	03	PIN 4286130 WAS 4266253 AT CEILING CAB 5	1329391	7-20-16	JFM	KD	JS

- (73) 6 INCHES
- (108) 1 EA 1/4-20 BOLT
- (109) 1 EA 1/4-20 NUT
- (110) 1 EA EXT TOOTH LOCK WASHER
- (111) 2 EA #10-16 RING TERMINAL

NOTE:
ATTACH A 6 INCH PIECE OF #6 AWG WIRE BETWEEN THE WIPER MOTOR FRAME AND ONE OF THE CENTER CONSOLE MOUNTING BOLTS.

NOTE: VERIFY THAT MOTOR IS PROPERLY GROUNDED TO CAB FRAME.

