

Section	DESCRIPTION
1	Table of Contents and Legend
2	Change History
3	Audio System Wiring (all options)
5	Antenna connections
6	Infotainment non-Antenna connections
7	MCU/Infotainment vehicle interfaces
8	Security, Passive Entry, Homs
9	Chassis - Stability and ABS, park brake
10	Chassis - Power Steering and Steering wheel controls
11	Chassis - Air suspension system
12	Body - Door / Window Controls, Left Side
14	Body - Door / Window Controls, Right Side
16	Powertrain - HV Battery and Charges
17	Body - Exterior Lights, Front
18	Body - Exterior Lights, Rear, including Tailgate
19	Body - Front Cargo Hatch
20	Body - Rear Cargo Hatch / Power Liftgate
21	HVAC - Foundation, Controller, Sensors, Valves, Pumps, Solenoids and Inlet Louvers
22	HVAC - Cabin Functions
23	HVAC - Cold Weather Package Content
24	Powertrain - HVIL and High Voltage architecture
25	Body - Wiper/Washer System
26	Passive Safety Restraints System
27	Body - Powered Sunroof
28	Powertrain - Drive Inverter, Accelerator Pedal
29	Body - LF Seat
30	Body - RF Seat
31	Body - Side and Rear-View Mirrors
32	Body - Interior Lighting
33	Parking System including Rear View
34	Advanced Safety - Blind Zone and Forward Camera, Front Radar
35	Chassis CAN Network
36	Body CAN Network
37	Body Fault-Tolerant CAN Network
38	PowerTrain CAN Network
39	Diagnostic Connections
40	12V Power Distribution
42	Ground Distribution
43	Layout and Function of Fuse/Relay Boxes

LF	Left Front	RR	Right Rear
RF	Right Front	MF	Middle Front
LR	Left Rear	-	-

LFDHC	LF Door Harness Connector	CCHC	Center Console Harness Connector
LIRDHC	LR Door Harness Connector	IPHC(L/R)	Instrument Panel Harness Connector (Left/Right)
RFDHC	RF Door Harness Connector	RSFHC	Rear Subframe harness connector
RRDHC	RR Door Harness Connector	WW%#	WW#wire-to-wire %%-from-to designator
GHCH	TailGate Harness Connector	-	-

A	Body Harness, Left Floor	N	Front Harness, Right Side
B	Body Harness, Right Floor	P	Front Passenger (RF) Door Harness
C	Center Console	Q	Front Harness, Left side
D	Driver (LF) Door Harness	R	LR Door Harness
E	Sunroof Subsystem Harness	S	RR Door Harness
F	Front Bumper Harness	T	Tailgate Harness - Right
G	Rear Bumper Harness	U	Tailgate Harness - Left
H	High Voltage Wiring (for reference only)	V	HVAC Unit Subharness (part of assembly)
J	Instrument Panel (Dashboard) Harness	W	Steering Wheel Harness (from Clockspring out)
K	Headliner	X	Rear subframe subharness
L	Front End Module	Y	tbd
M	Main Harness, Lower IP and Front Trunk area	Z	Single Cables - Each circuit is a separate assembly

BK	Black	LB	Light Blue	RD	Red	NA	coax-center
BR	Brown	LG	Light Green	TN	Tan	SH	coax-shield
DB	Dark Blue	OR	Orange	WT	White	-	-
DG	Dark Green	PK	Pink	YL	Yellow	-	-
GY	Gray	VT	Violet (Purple)	-	-	-	-

Striped wires are indicated by base-color code "X" then stripe color code. "BR-BK" indicates a brown wire with a black stripe.

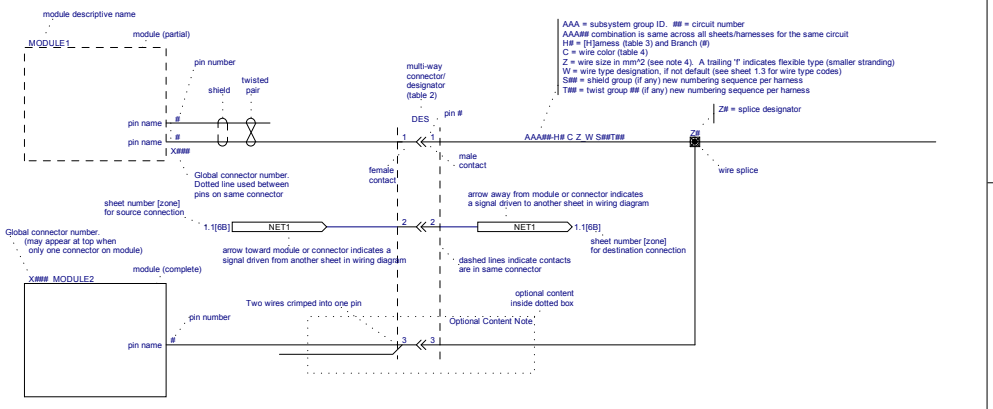
TWP	SAE J1128 TWP - thin-wall 105C rated	TXL	SAE J1128 TXL - thin-wall 125C rated
STX	SAE J1127 STX - thin-wall 125C rated	SGX	SAE J1127 SGX - general purpose 125C rated
J	flexible type (add to any type) = small strand	RFXFA	SAE J1128 TXL-F - thin-wall high-flex 125C rated
CAVS	JASO D-611 CAVS specification wire, 85C	-	-

- General Notes:
- Switches (Relays) are shown in their inactive [de-energized] state.
 - Splices may be split across pages for visual clarity with respect to the function displayed on the particular page.
 - Some connectors are split across multiple pages for clarity. There is no overall reference in this document for the signals routed to a specific connector.
 - Wire sizes are specified in mm² cross-sectional area (CSA) per SAE 1127/8.

Size Shown	Wire Specification Usage	Size Shown	Wire Specification Usage
0.22	SAE 0.22 / 24AWG	5.0	SAE 5.0 / 10AWG
0.35	SAE 0.35 / 22AWG	8.0	SAE 8.0 / 8AWG
0.5	SAE 0.5 / 20 AWG	13.0	SAE 13.0 / 6AWG
0.75	SAE 0.8 / 18AWG	20.0	SAE 18.0 / 4AWG
1.0	SAE 1.0 / 16AWG	32.0	SAE 32.0 / 2AWG
2.0	SAE 2.0 / 14AWG	40.0	SAE 40.0 / 1AWG
3.0	SAE 3.0 / 12AWG	50.0	SAE 50.0 / 10AWG
 - Wire specification: 60V, thin-wall PVC (SAE TWP type or equivalent), unless otherwise specified in wire label. Default wire type to be rated 60VDC/25VAC and -40C to 105C operating temperature. See sheet 43 for further details and to correlate specific cabling types to harness application. Twisted pairs may be manufactured of above wire by harness manufacturer.

P	30mm ±.5mm for CSA=1.0	P	60mm ±.5mm for CSA=1.0
PRMT	PARAM WireType	Default	TWP

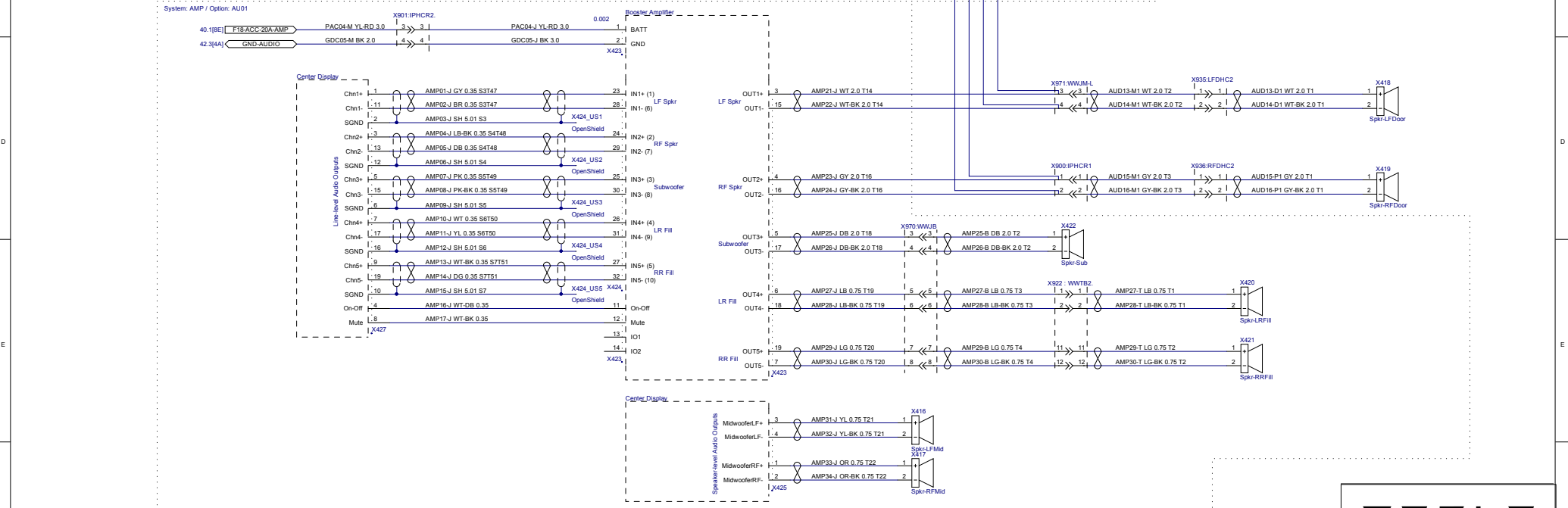
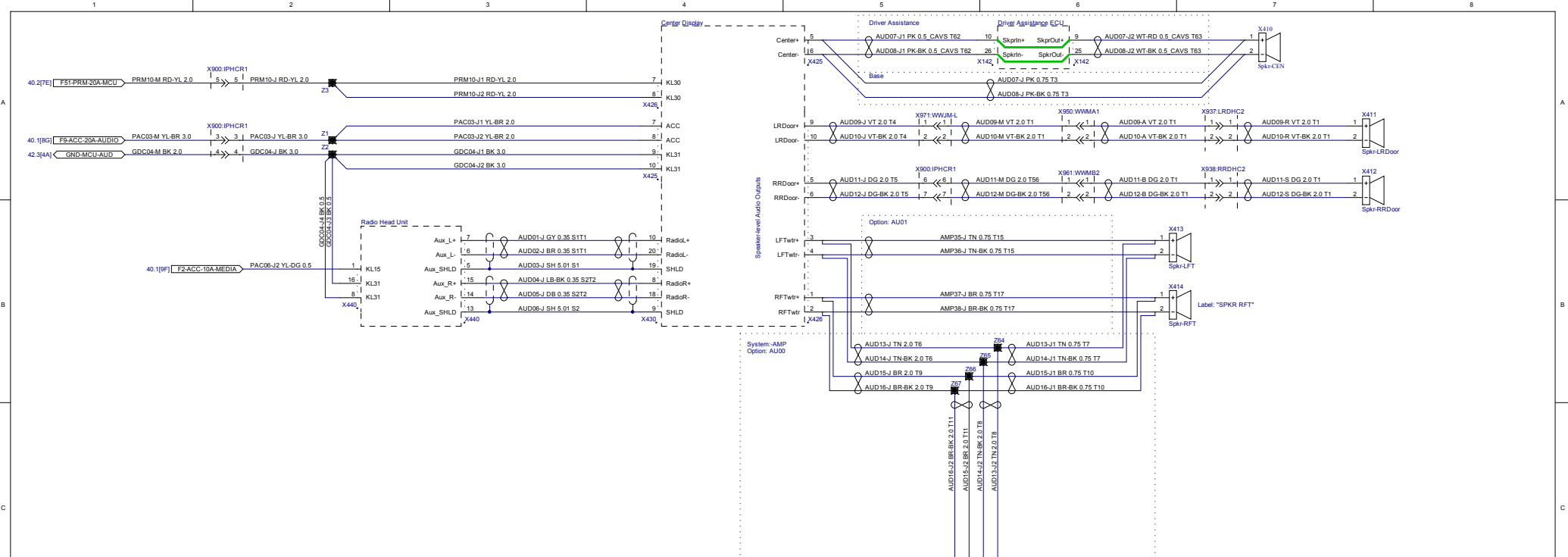
- Unless otherwise specified, terminal plating is to be Tin or Tin-Tin
- For connectors with multiple instances of the same wire color in a similar or the same size, the terminal may not be inserted into the exact cavity specified. This applies only to joint connectors in the GR## range or XT00-XT99 range, where the wires are connected together internally by the joint connector.
- In-line connector gender specification is based on the terminal type. In-line connectors with "M" suffix have male, tab or pin terminals. In-line connectors with "F" suffix have female, receptacle or socket terminals.



TESLA

PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP6	
SHEET NAME: Table of Contents			
ITEM NO: 1004573-00-E	REVISION: 14	DATE: 1/19/2015	
DO NOT SCALE DRAWING		SHEET 1.1	

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TESLA

PROJECT NAME: 2014 Model S Wiring: LHD PHASE: SOP6

SHEET NAME: Audio Wiring - Premium, Base Level Comp

ITEM NO: 1004573-00-E REVISION: 14 DATE: 3/5/2015

DO NOT SCALE DRAWING SHEET 3.1

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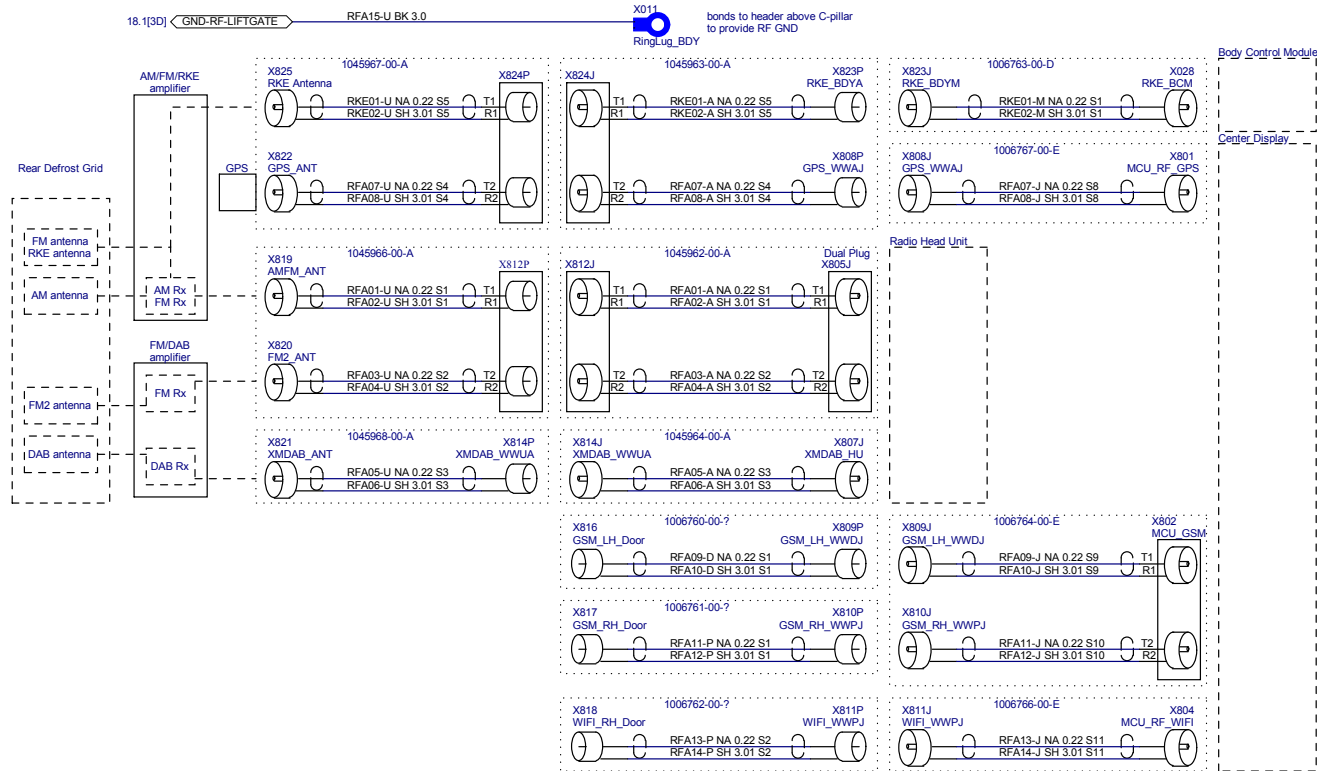
PROJECT NAME: 2014 Model S Wiring: LHD PHASE: SOP6

SHEET NAME: Antenna Connections

ITEM NO: 1004573-00-E REVISION: 14 DATE: 4/28/2015

DO NOT SCALE DRAWING SHEET 5.1

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1 2 3 4 5 6

1 2 3 4 5 6

A

B

C

D

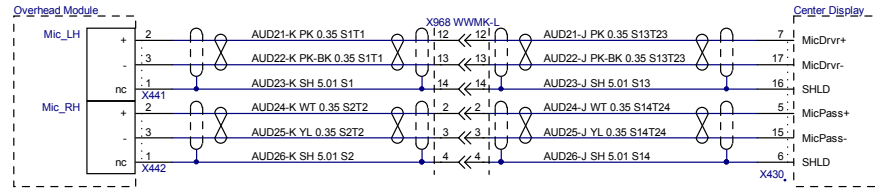
A

B

C

D

X430, X441, X442, X968, X900 UNSEALED shield terminations



TESLA

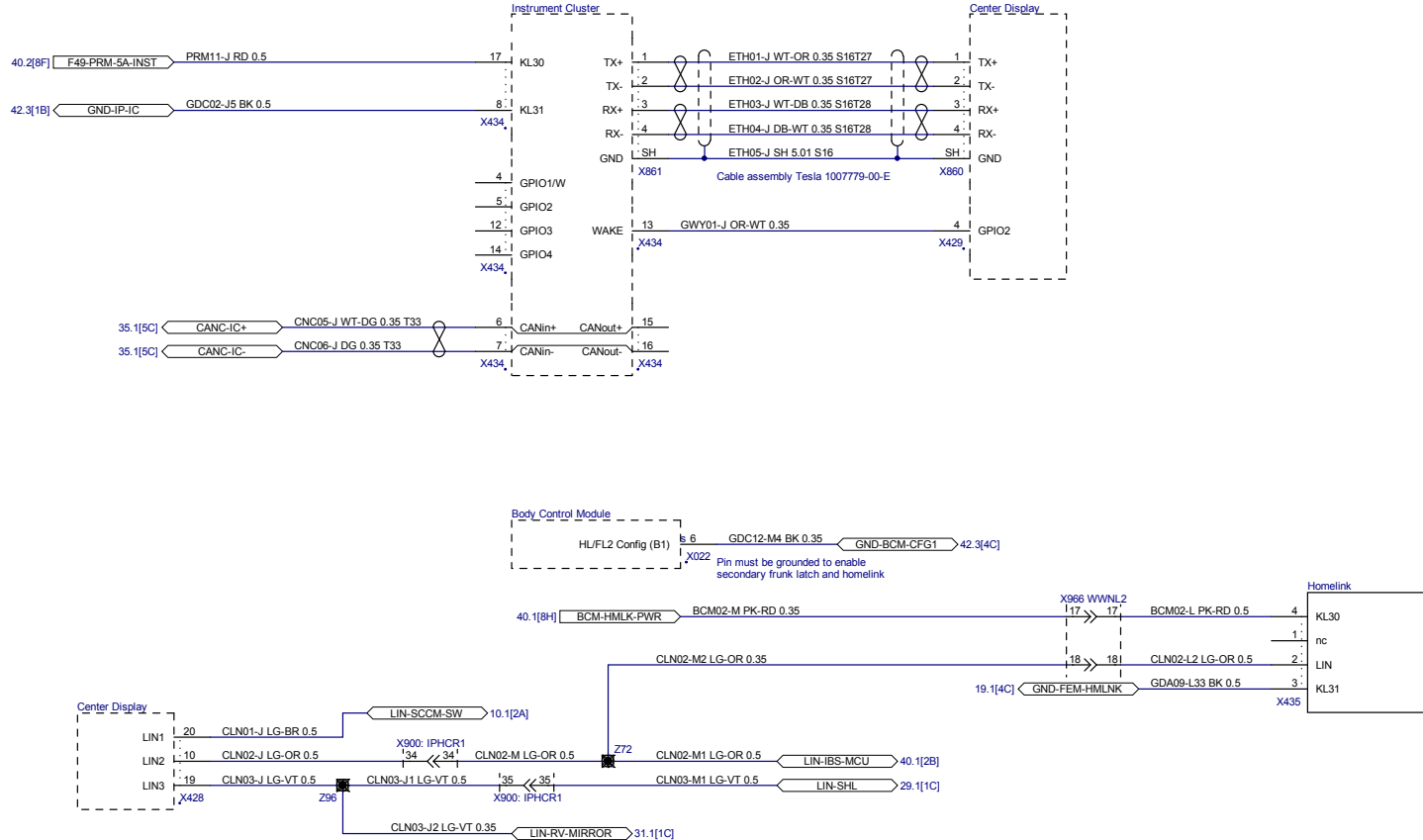
PROJECT NAME: 2014 Model S Wiring: LHD PHASE: SOP6

SHEET NAME: Center Display - Microphone and USB

ITEM NO: 1004573-00-E REVISION: 14 DATE: 12/24/2014

DO NOT SCALE DRAWING SHEET 6.1

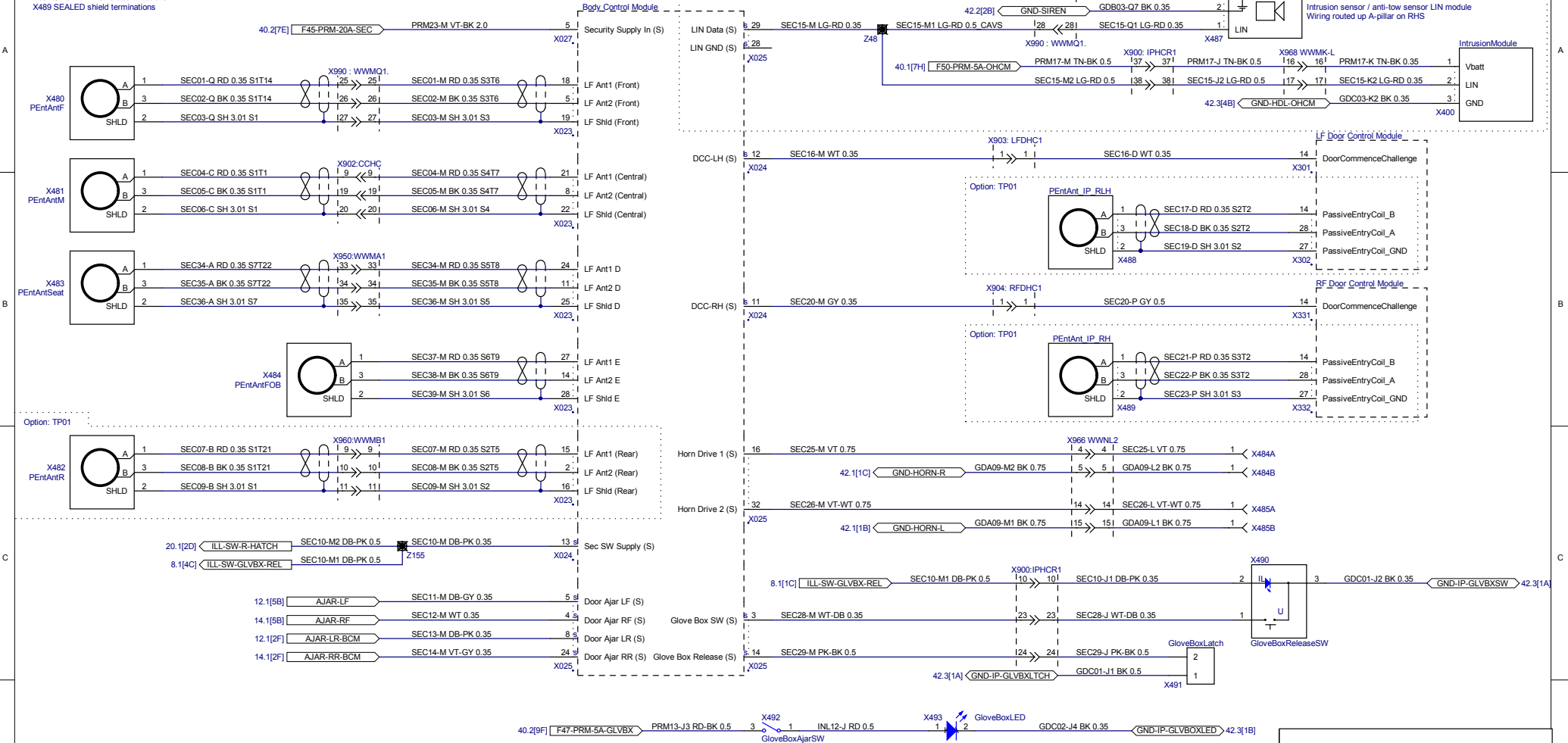
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PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP6
SHEET NAME: Center Disp. - Inst. Cluster and LIN Interface		
ITEM NO: 1004573-00-E	REVISION: 14	DATE: 8/17/2015
DO NOT SCALE DRAWING		SHEET 7.1

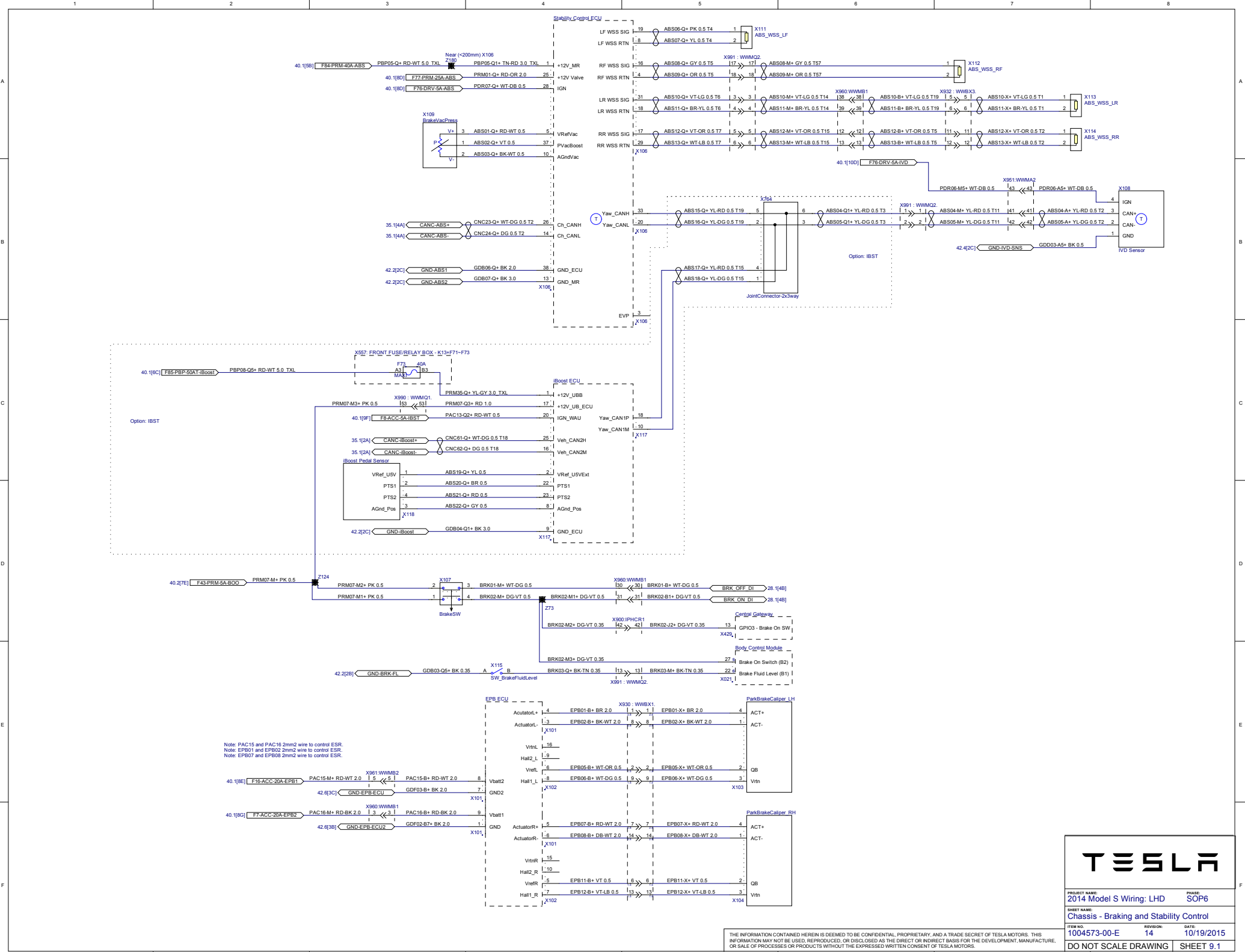
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X023, X481, X482, X483, X902, X961 (9-11, 33-35) UNSEALED shield terminations
 X480, X484 SEALED shield terminations
 X302 UNSEALED shield terminations
 X488 SEALED shield terminations
 X332 UNSEALED shield terminations
 X489 SEALED shield terminations



PROJECT NAME: 2014 Model S Wiring: LHD	PHASE: SOP6
SHEET NAME: Security, Horns, Passive Entry	
ITEM NO: 1004573-00-E	REVISION: 14
DATE: 8/17/2015	
DO NOT SCALE DRAWING	SHEET 8.1

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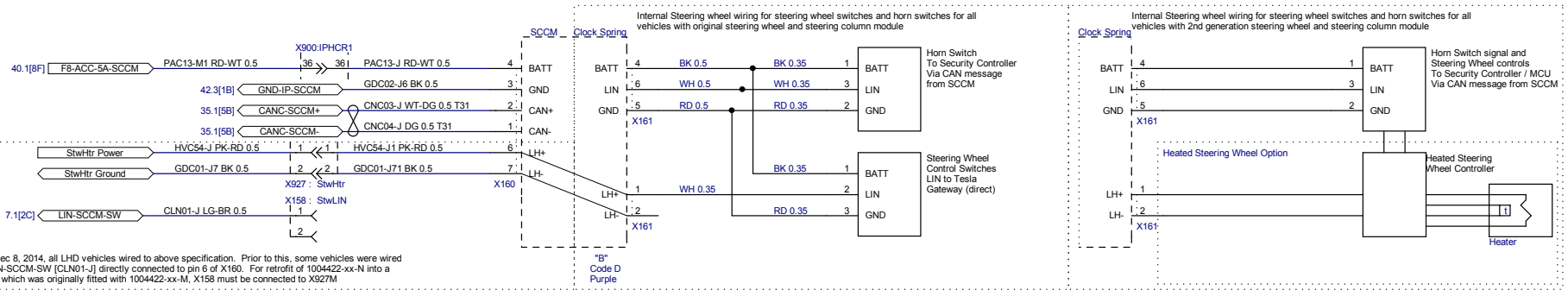


TESLA

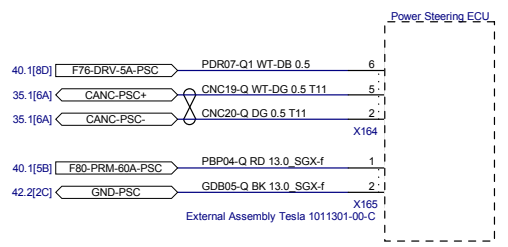
PROJECT NAME:	2014 Model S Wiring: LHD	PHASE:	SOP6
SHEET NAME:	Chassis - Braking and Stability Control		
ITEM NO:	1004573-00-E	REVISION:	14
DATE:	10/19/2015		
DO NOT SCALE DRAWING	SHEET 9.1		

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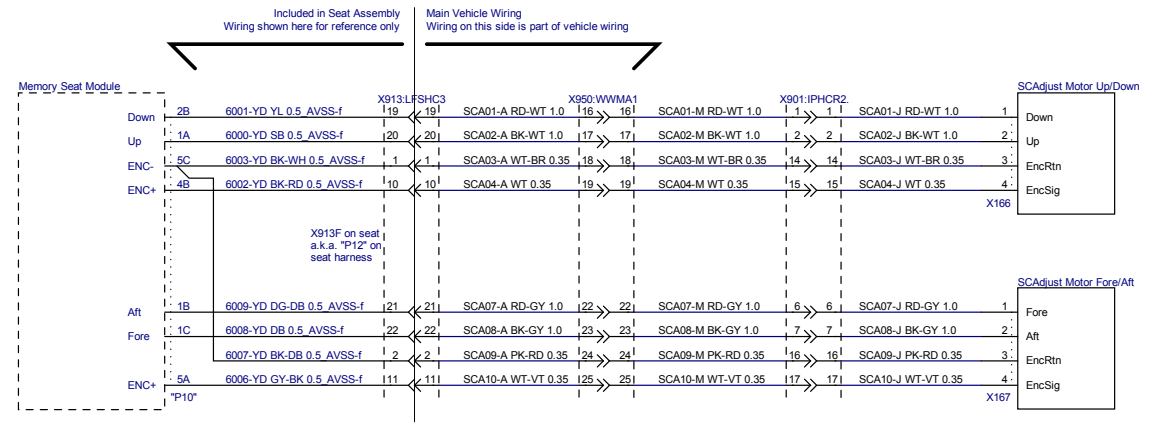
A



B



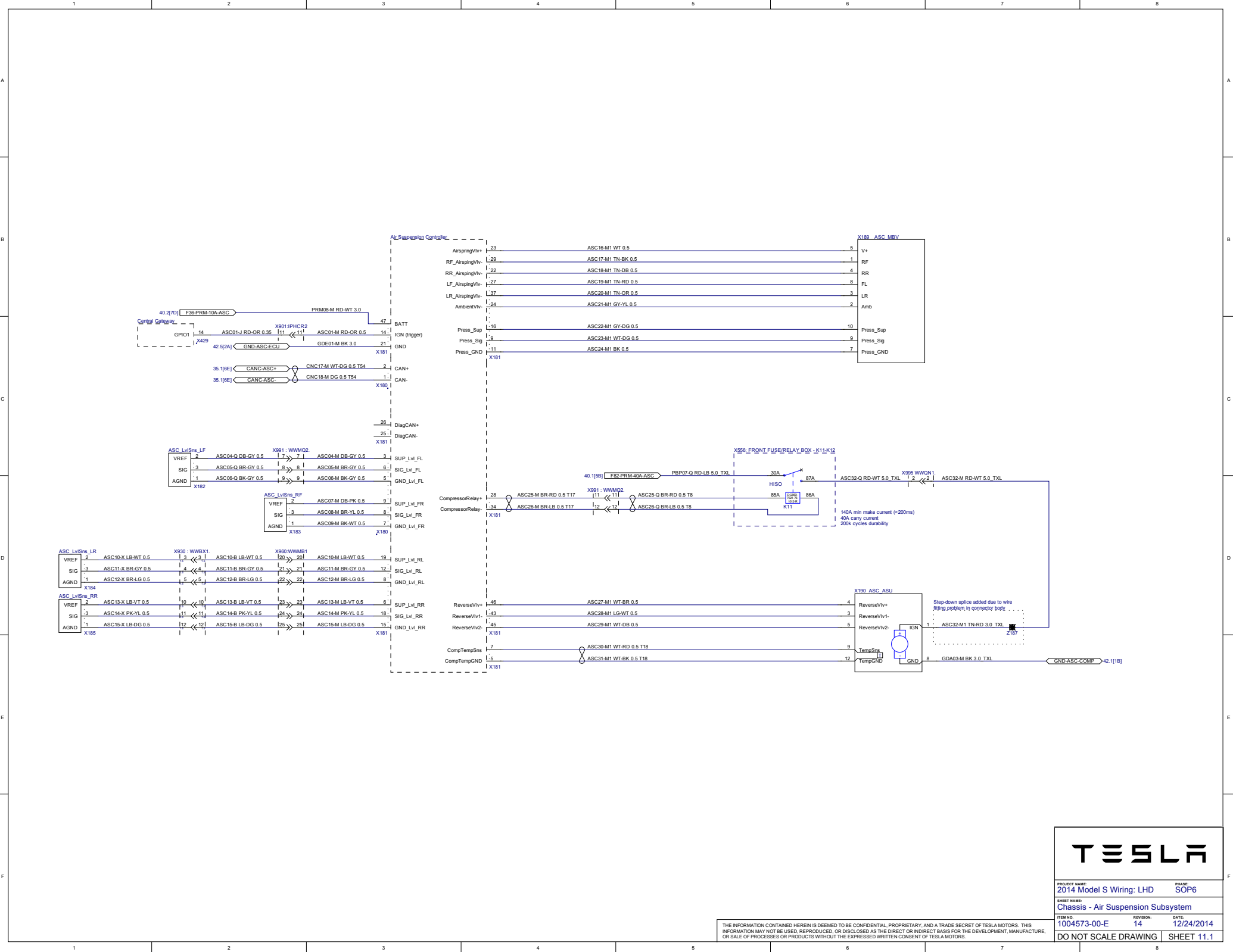
C



D

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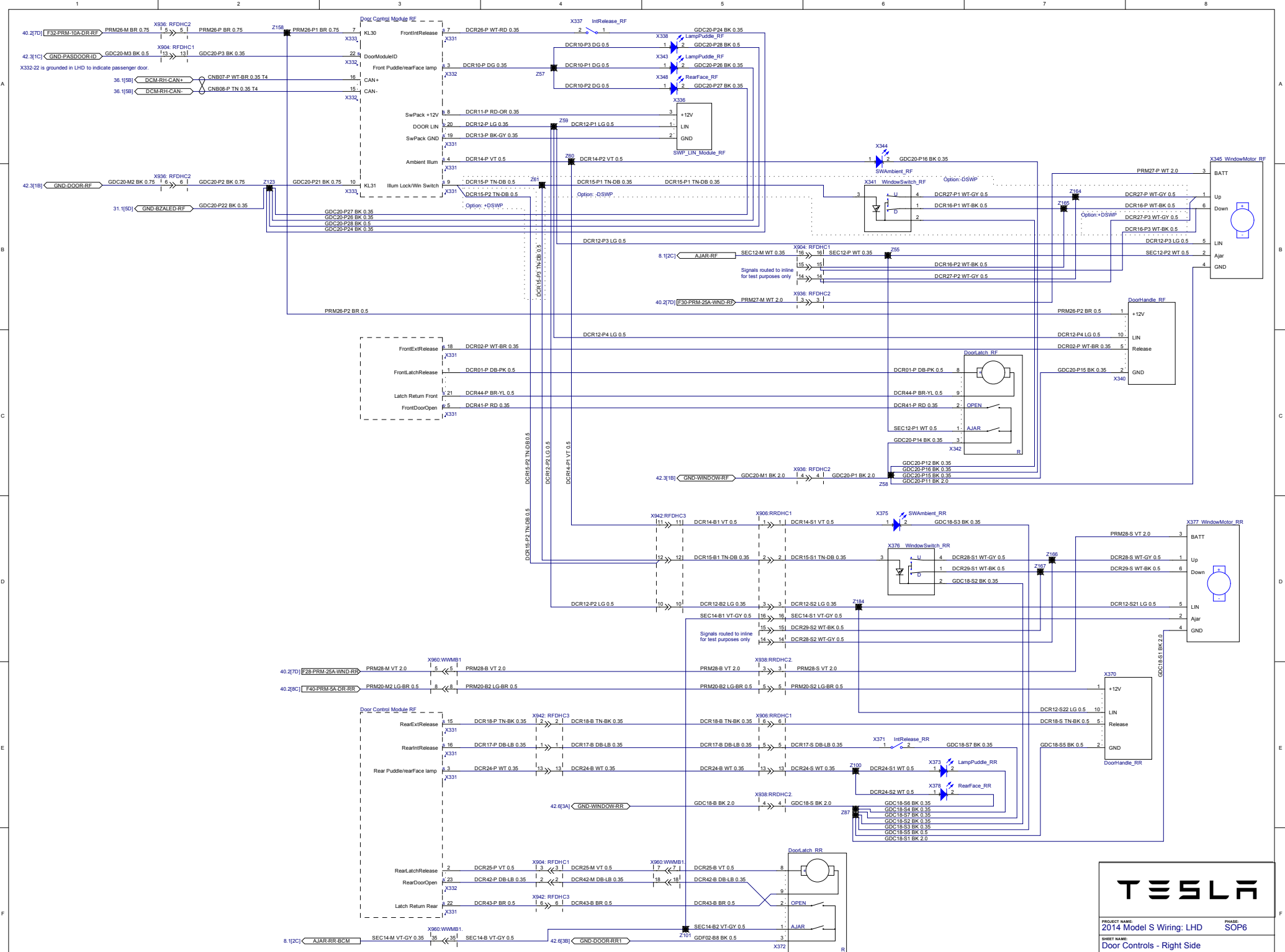
PROJECT NAME: 2014 Model S Wiring: LHD PHASE: SOP6
 SHEET NAME: Steering Wheel Controls / Power Steering
 ITEM NO: 1004573-00-E REVISION: 14 DATE: 4/28/2015
 DO NOT SCALE DRAWING SHEET 10.1



TESLA

PROJECT NAME:	2014 Model S Wiring: LHD	PHASE:	SOP6
SHEET NAME:	Chassis - Air Suspension Subsystem		
ITEM NO:	1004573-00-E	REVISION:	14
		DATE:	12/24/2014
DO NOT SCALE DRAWING		SHEET 11.1	

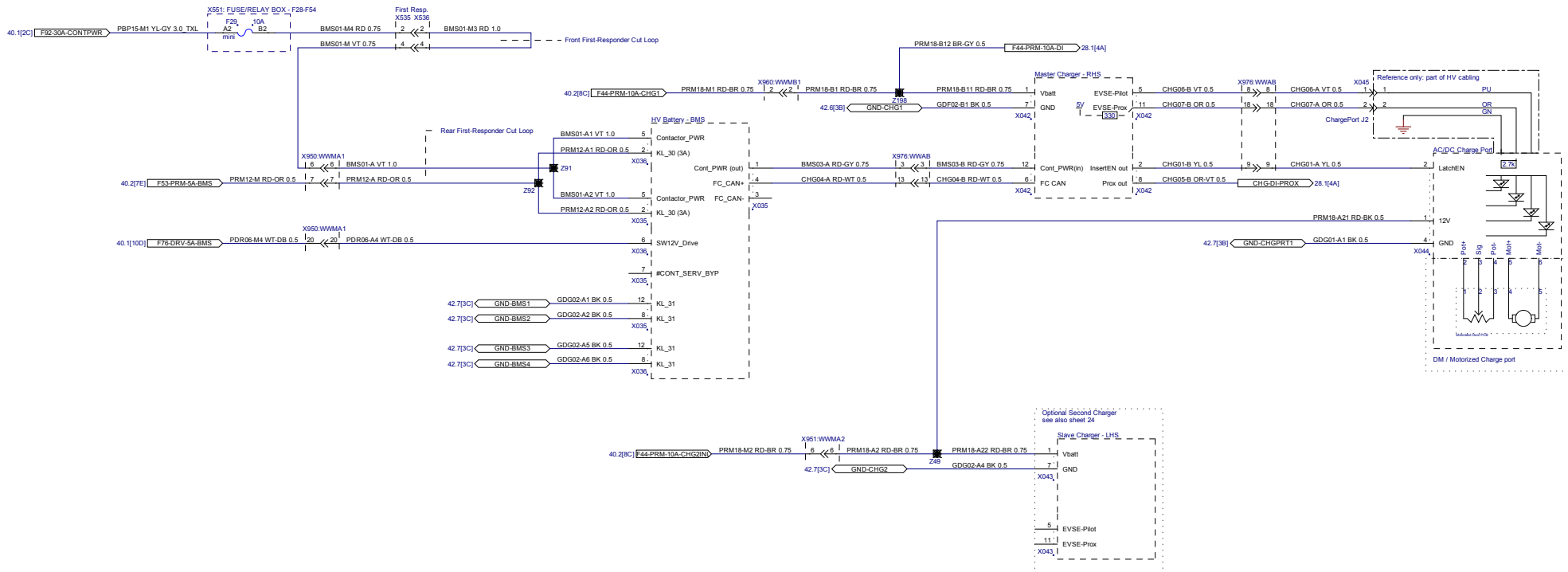
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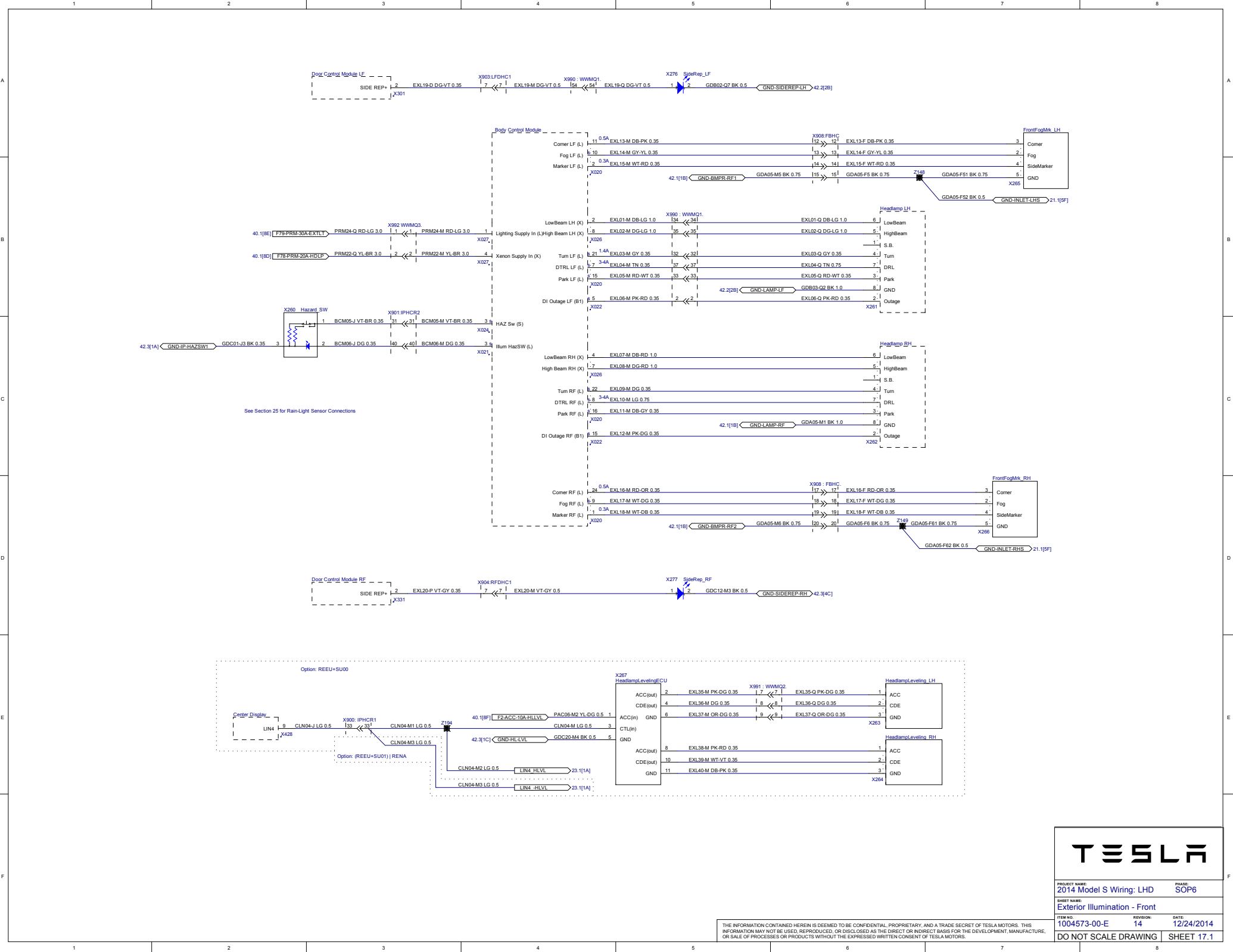
PROJECT NAME:	2014 Model S Wiring: LHD	PHASE:	SOP6
SHEET NAME:	Door Controls - Right Side		
ITEM NO:	1004573-00-E	REVISION:	14
DATE:	12/24/2014		
DO NOT SCALE DRAWING	SHEET 14.1		

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PROJECT NAME: 2014 Model S Wiring: LHD	PHASE: SOP6
SHEET NAME: Energy System - Charger Logic Connections	
ITEM NO: 1004573-00-E	REVISION: 14
DATE: 8/17/2015	
DO NOT SCALE DRAWING	SHEET 16.1

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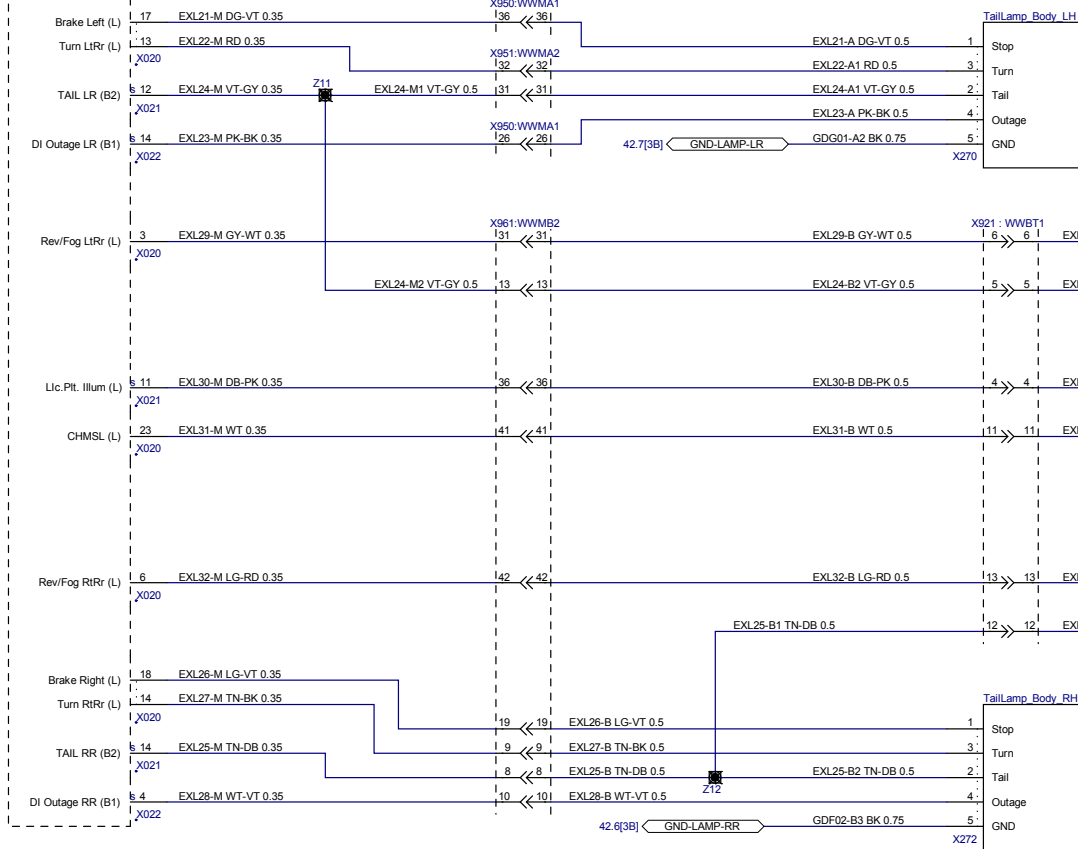


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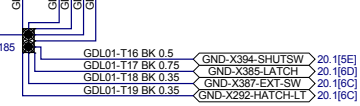
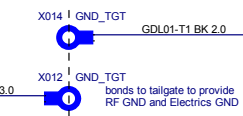
PROJECT NAME: 2014 Model S Wiring: LHD PHASE: SOP6
 SHEET NAME: Exterior Illumination - Front
 ITEM NO: 1004573-00-E REVISION: 14 DATE: 12/24/2014
 DO NOT SCALE DRAWING SHEET 17.1

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Body Control Module



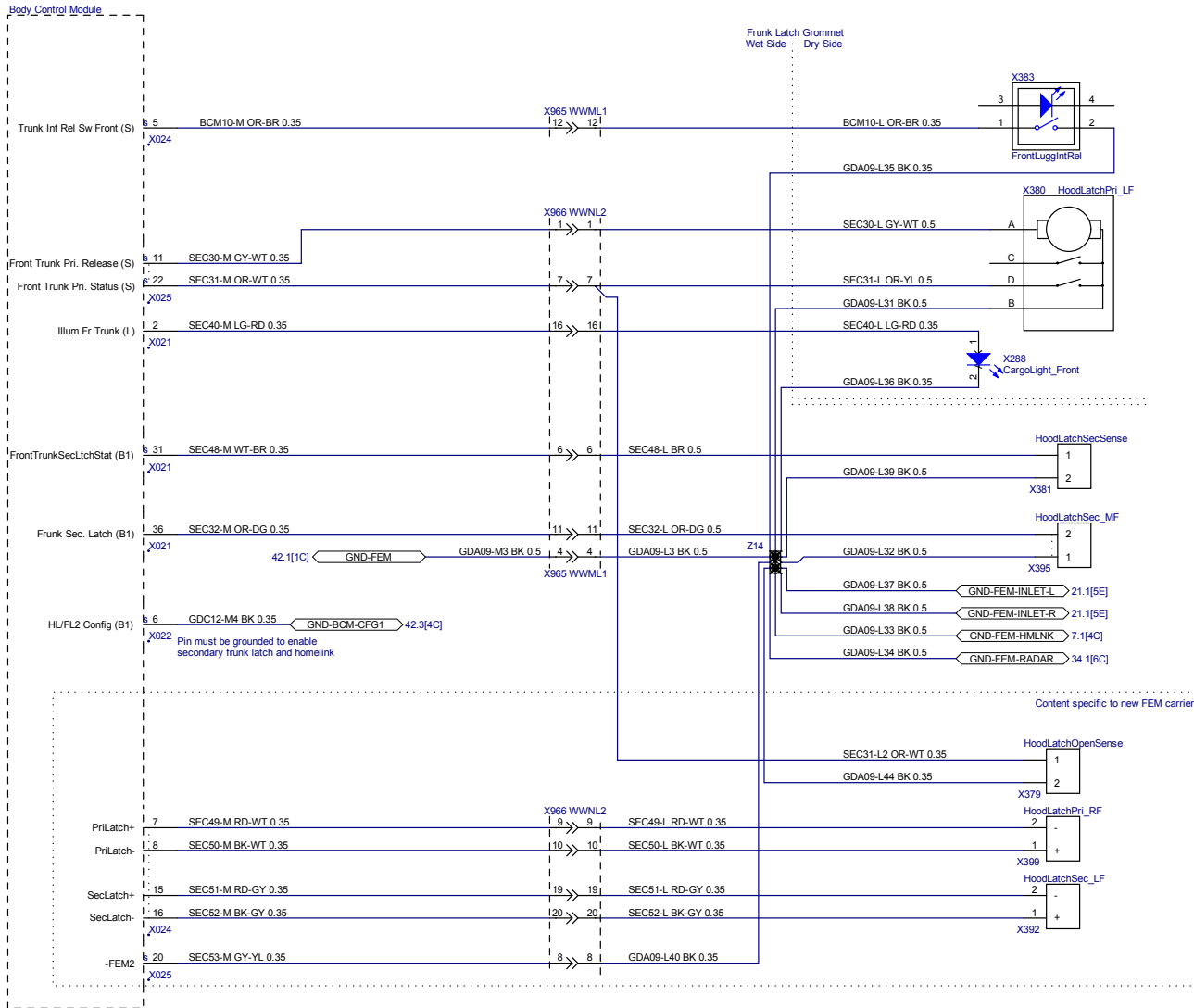
Tailgate Lamp configurations:
 US (federal):
 Rev/R.Fog element is a reverse lamp on both left and right.
 EU, LHD
 Rev/R.Fog element is a reverse lamp on right, and fog lamp on left.
 EU, RHD
 Rev/R.Fog element is a reverse lamp on left, and fog lamp on right.
 Lamp configurations are controlled by lamp assembly.
 Body controls software manages the specific electrical behavior on a market basis.



TESLA

PROJECT NAME: 2014 Model S Wiring: LHD	PHASE: SOP6
SHEET NAME: Exterior Illumination - Rear	
ITEM NO: 1004573-00-E	REVISION: 14
DATE: 8/13/2014	
DO NOT SCALE DRAWING	SHEET 18.1

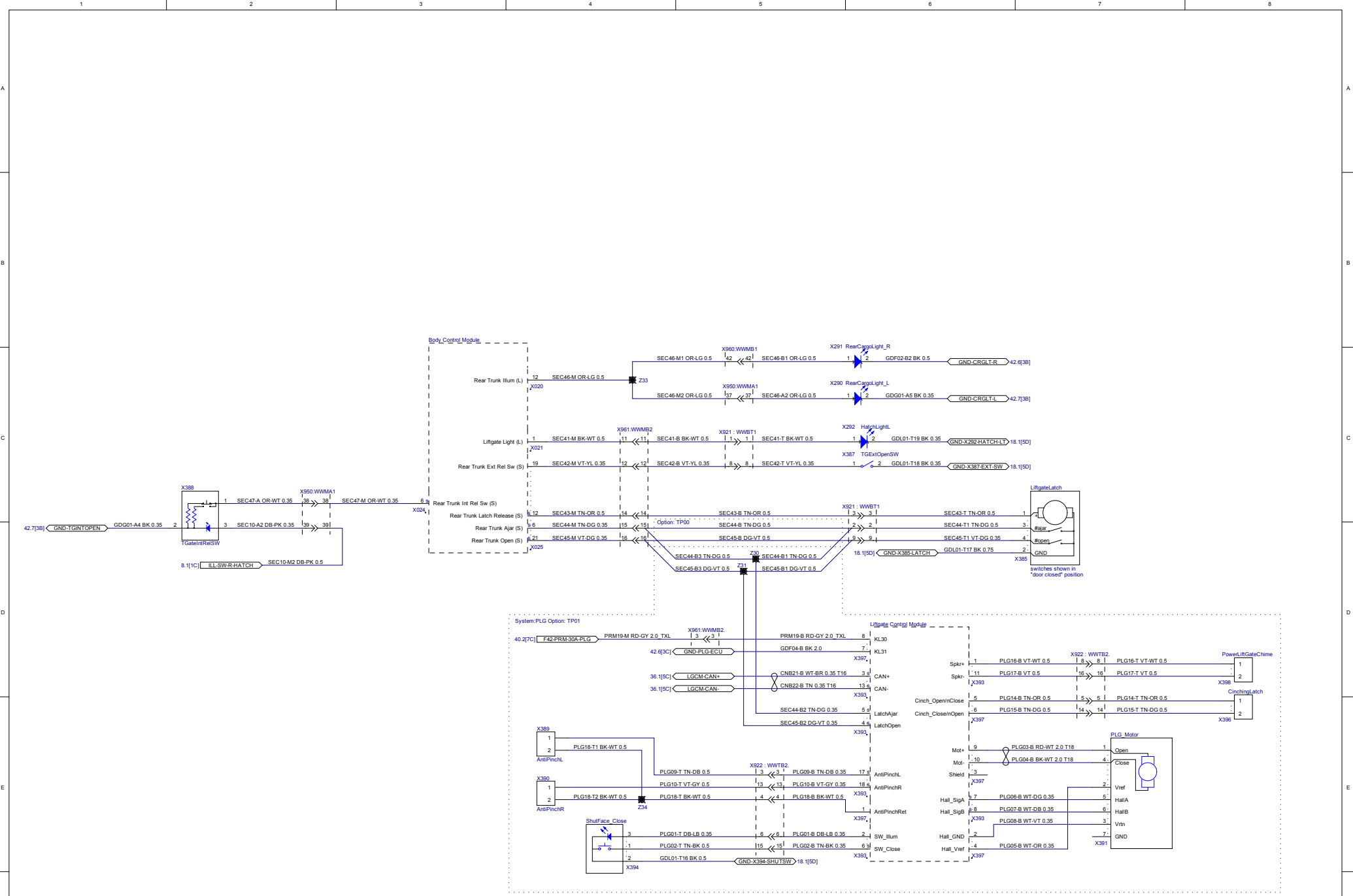
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PROJECT NAME: 2014 Model S Wiring: LHD	PHASE: SOP6
SHEET NAME: Front Hatch Actuator/Sensors	
ITEM NO: 1004573-00-E	REVISION: 14
	DATE: 8/17/2015
DO NOT SCALE DRAWING	SHEET 19.1

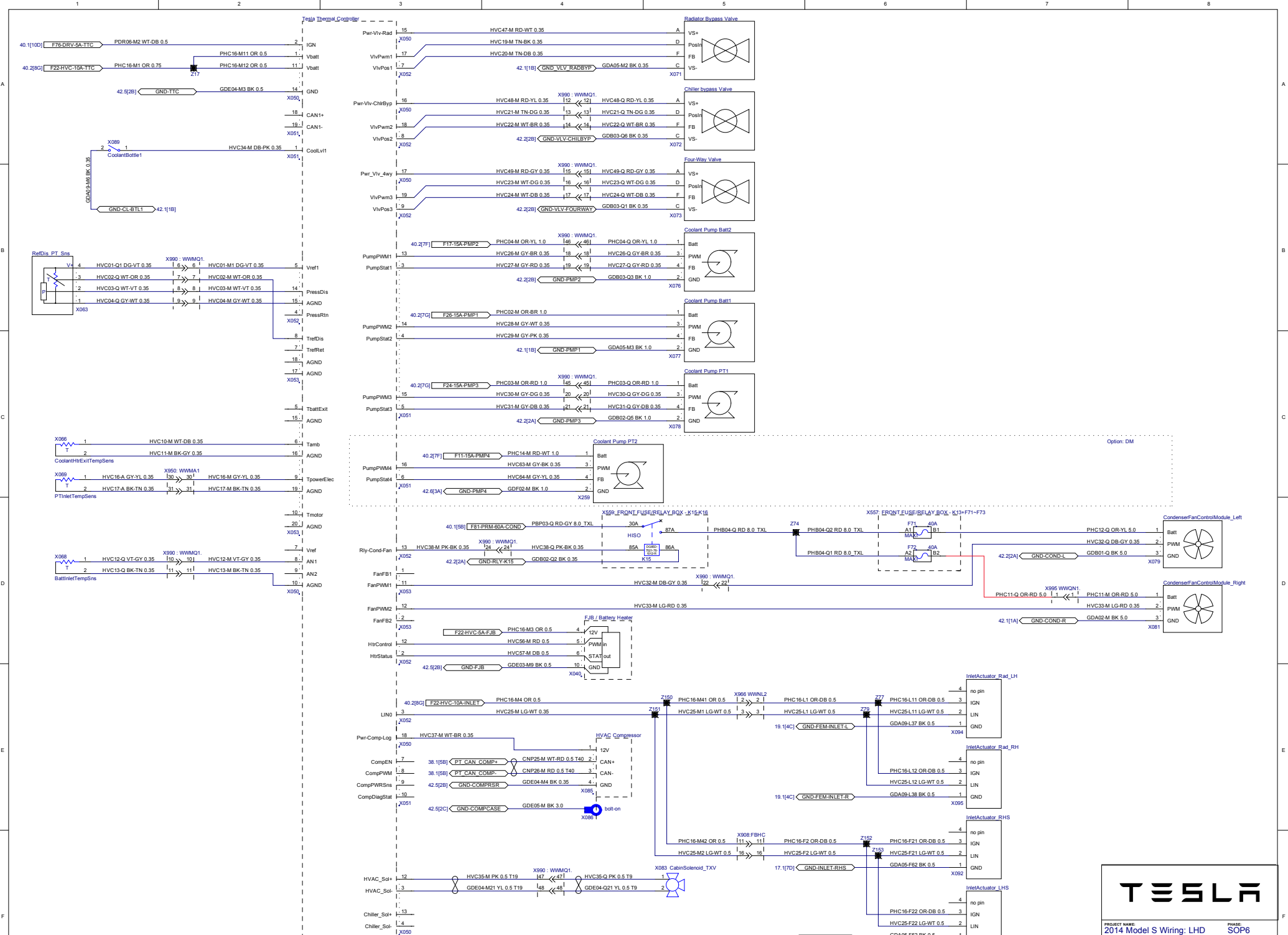
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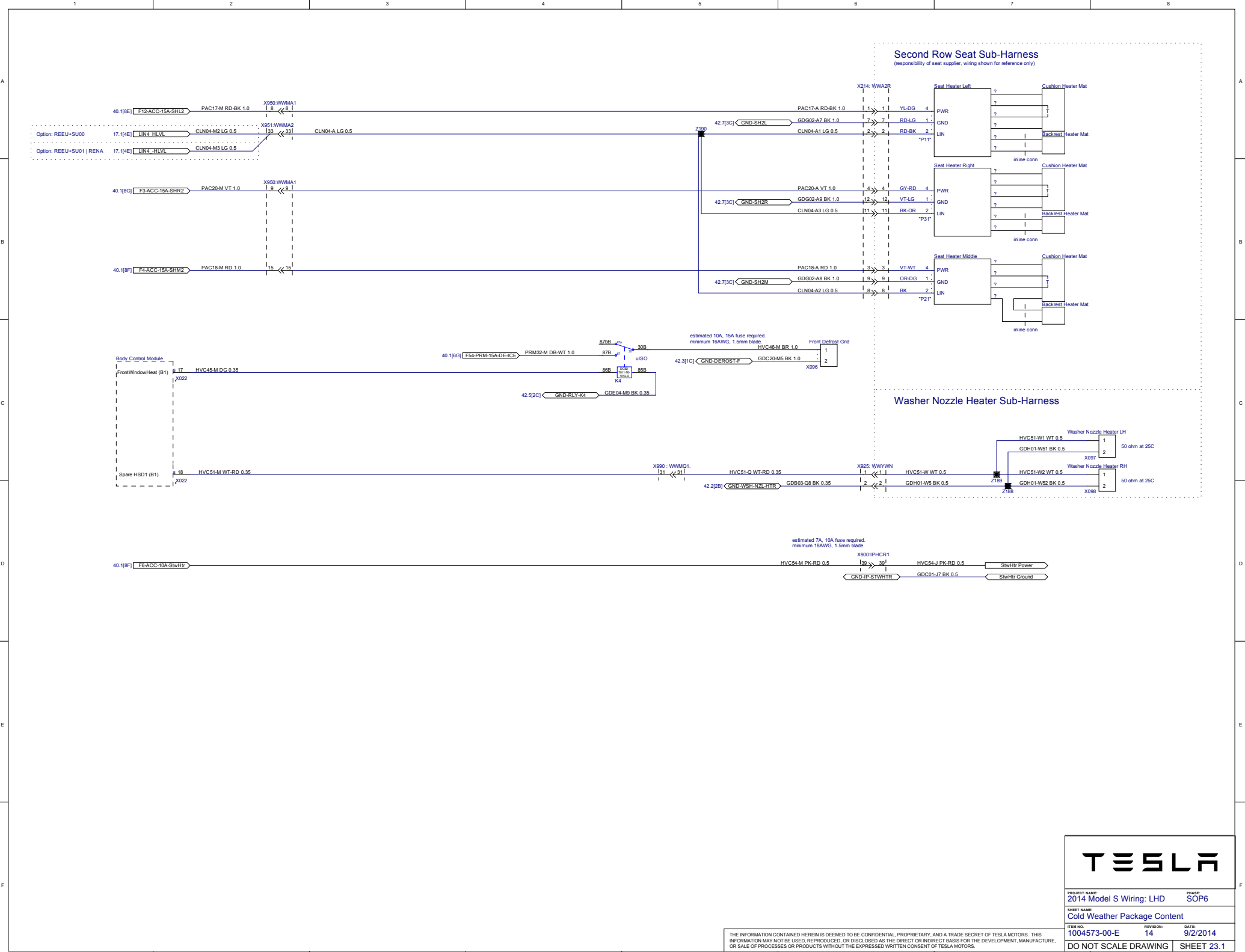
PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP6	
SHEET NAME: Rear Hatch Acuator/Sensors + Liftgate Opt.			
ITEM NO: 1004573-00-E	REVISION: 14	DATE: 12/24/2014	
DO NOT SCALE DRAWING		SHEET 20.1	

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TESLA	
PROJECT NAME: 2014 Model S Wiring: LHD	PHASE: SOP6
SHEET NAME: HVAC - Powertrain Cooling Components	
ITEM NO: 1004573-00-E	REVISION: 14
DATE: 11/11/2015	
DO NOT SCALE DRAWING	SHEET 21.1

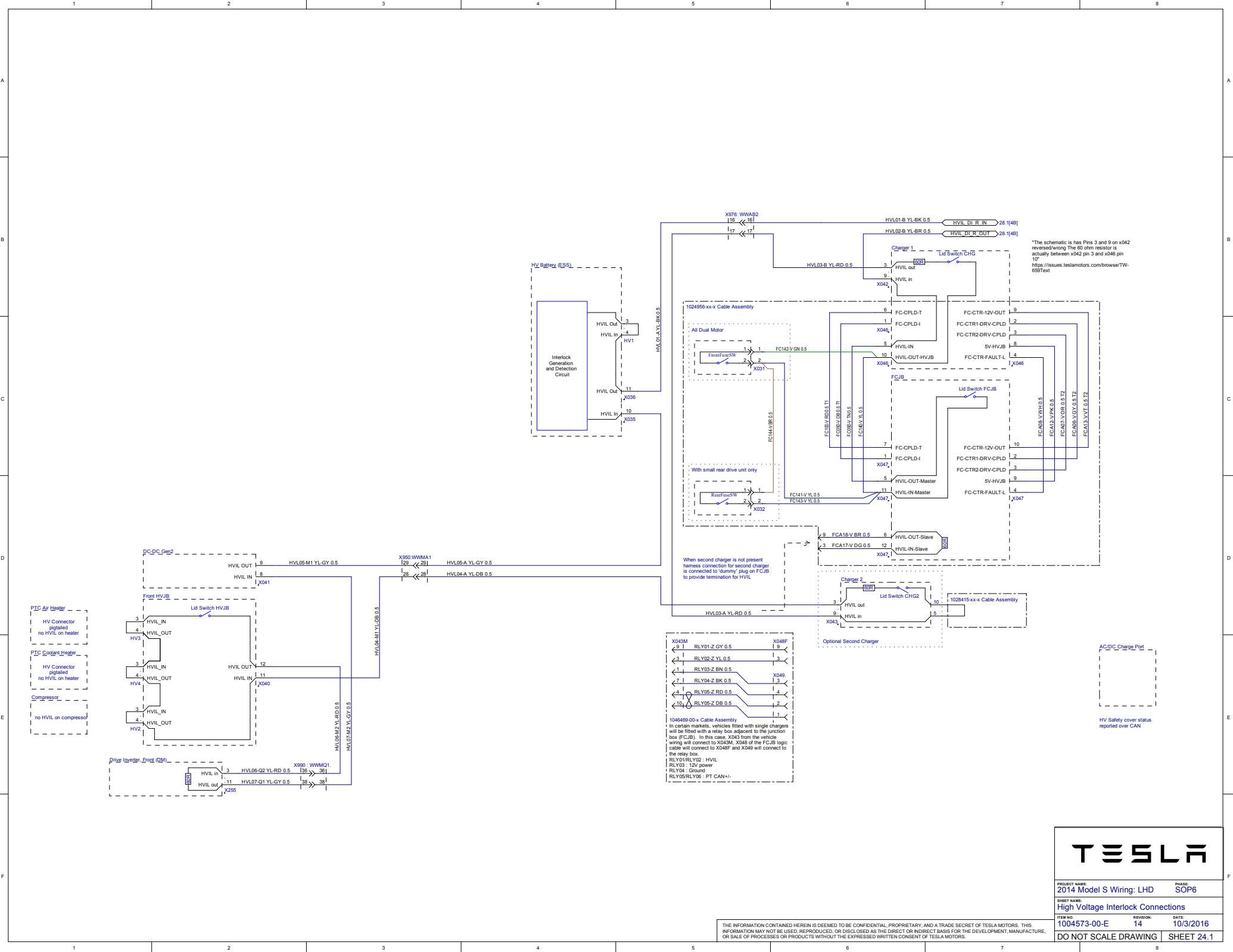
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PROJECT NAME: 2014 Model S Wiring: LHD PHASE: SOP6
 SHEET NAME: Cold Weather Package Content
 ITEM NO: 1004573-00-E REVISION: 14 DATE: 9/2/2014
 DO NOT SCALE DRAWING SHEET 23.1

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*The schematic has Pins 3 and 9 on x042 reversed wiring. The 100 ohm resistor is actually between x042 pin 3 and x046 pin 10.
<https://issues.testmotors.com/browse/TW-699Text>

When second charger is not present
 harness connection for second charger
 is connected to 'dummy' slug on FCJB
 to provide termination for HVIL

104549-00-x Cable Assembly

In certain markets, vehicles fitted with single chargers will be fitted with a relay box adjacent to the junction box (FCJB). In this case, X043 from the vehicle wiring will connect to X043M. X048 of the FCJB logic cable will connect to X048F and X049 will connect to the relay box.

X043M	RLY01-Z GY 0.5	X048F	1 9
9 1	RLY02-Z YL 0.5	X048	3 3
3 1	RLY03-Z BN 0.5		
7 1	RLY04-Z BK 0.5		
4 1	RLY05-Z RD 0.5		
10 1	RLY05-Z DB 0.5		

RLY01/RLY02 : HVIL
 RLY03 : 12V power
 RLY04 : Ground
 RLY05/RLY06 : PT CAN +/-

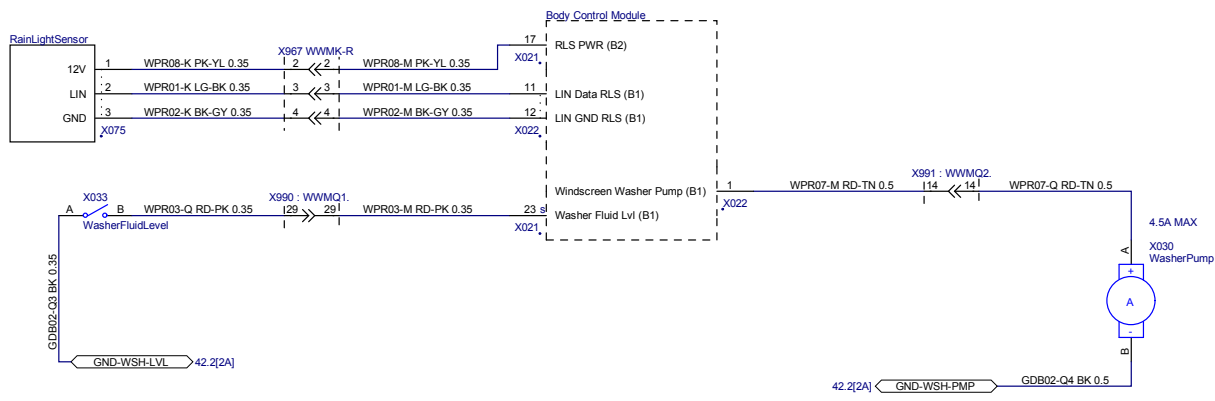
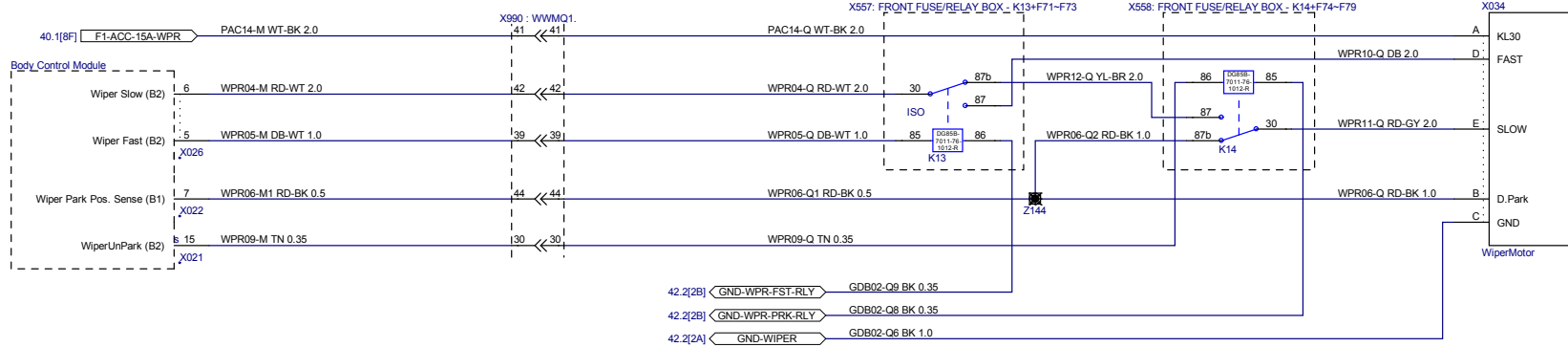
AC/DC Charge Port

HV Safety cover status reported over CAN

TESLA

PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP6	
SHEET NAME: High Voltage Interlock Connections			
ITEM NO: 1004573-00-E	REVISION: 14	DATE: 10/3/2016	
DO NOT SCALE DRAWING		SHEET 24.1	

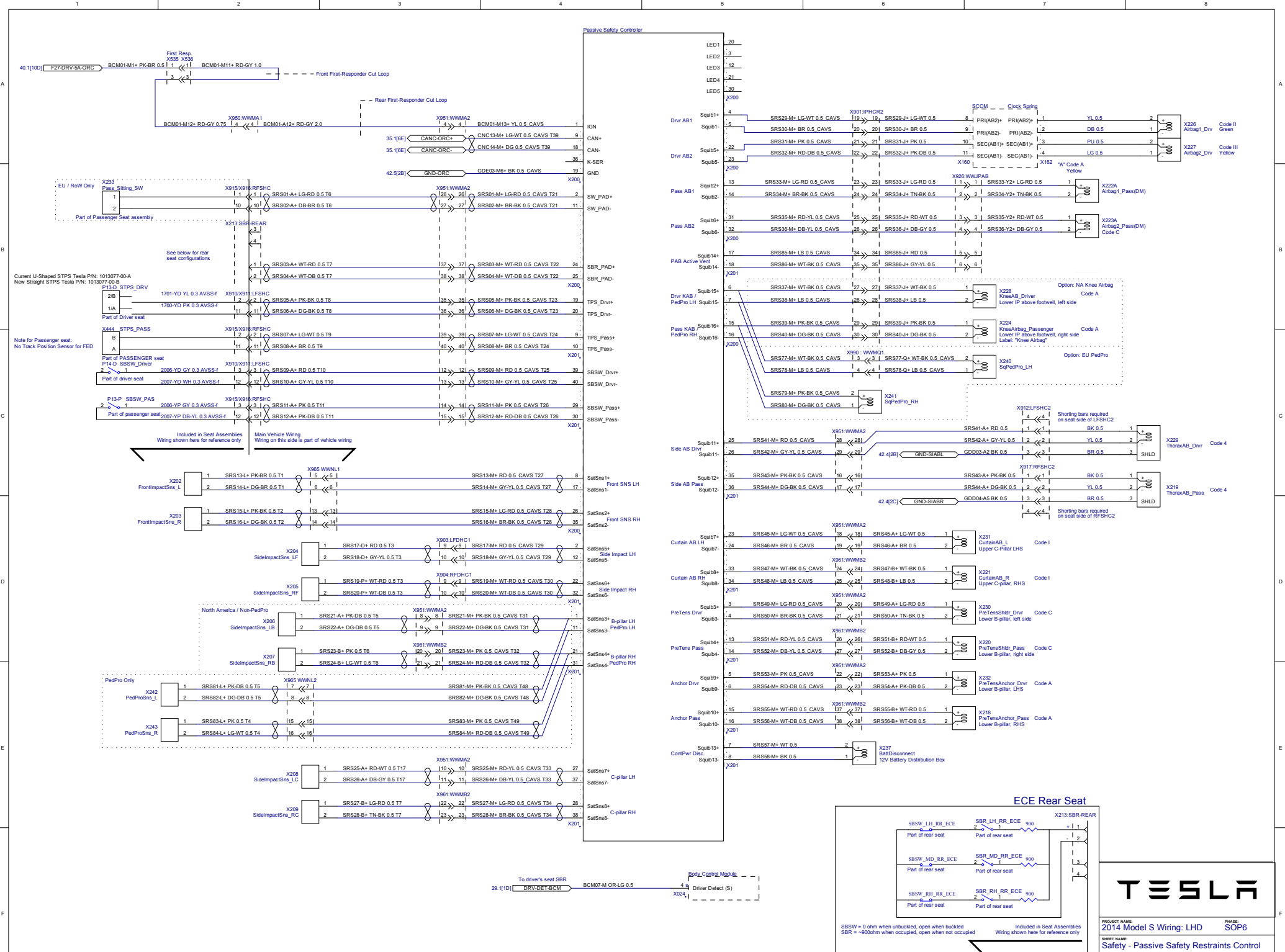
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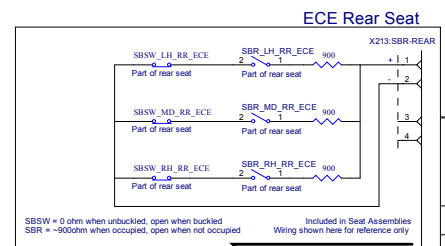
TESLA

PROJECT NAME: 2014 Model S Wiring: LHD	PHASE: SOP6
SHEET NAME: Windscreen Wiper/Washer, Rain Sensor	
ITEM NO: 1004573-00-E	REVISION: 14 DATE: 8/13/2014
DO NOT SCALE DRAWING	SHEET 25.1

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Circuits SRS29-SRS58 gold plate @ inline connectors



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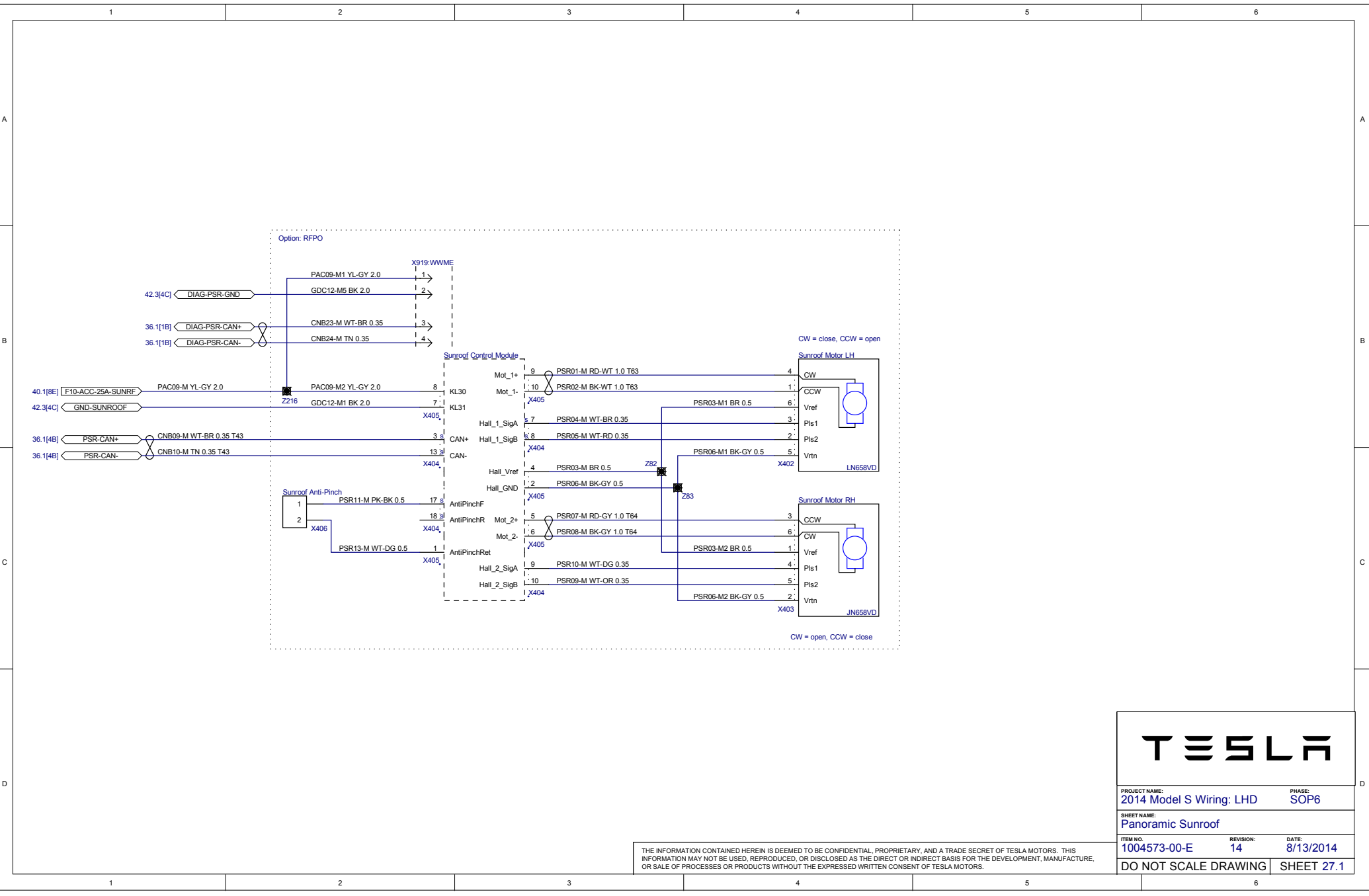
PROJECT NAME: 2014 Model S Wiring: LHD PHASE: SOP6

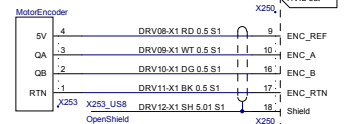
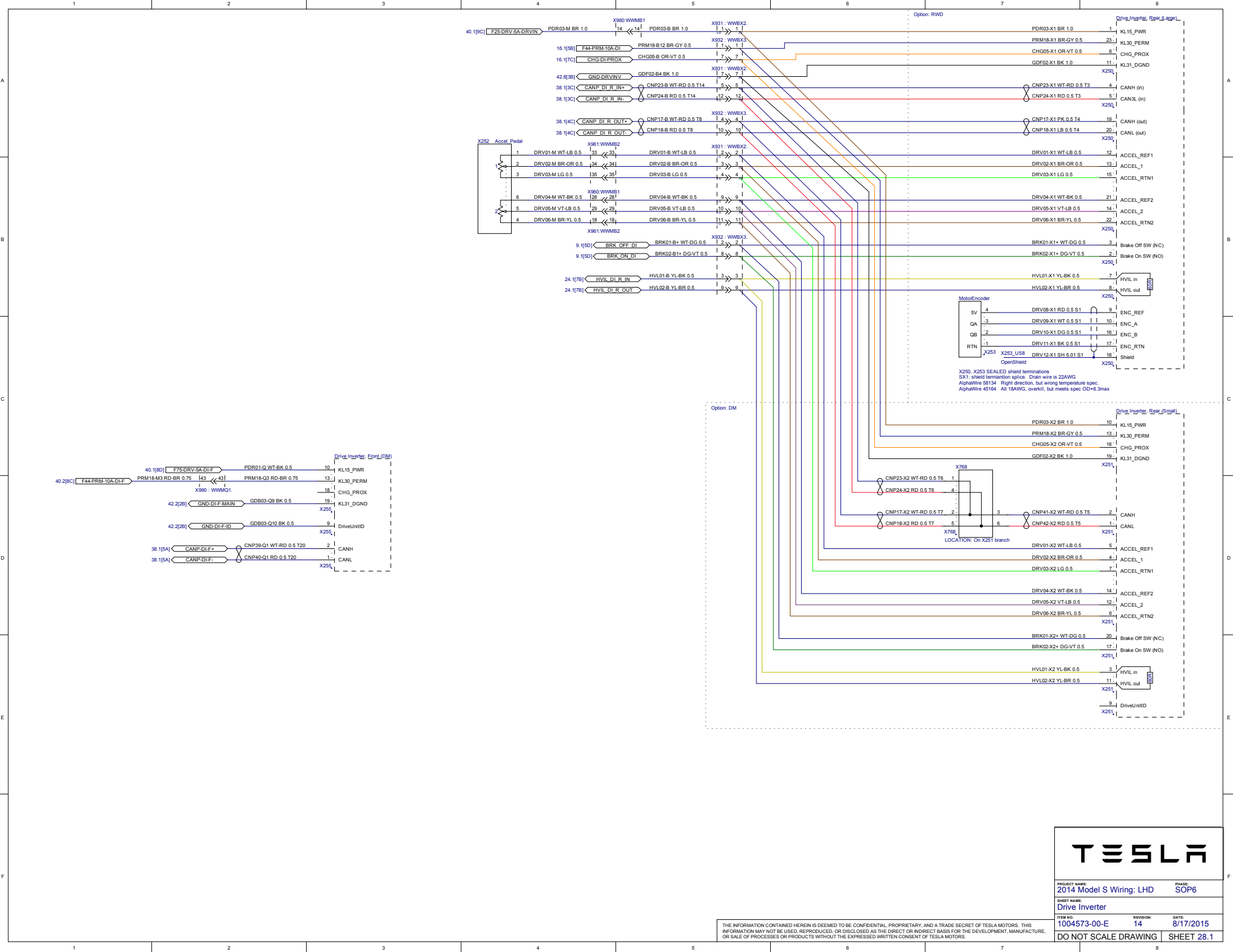
SHEET NAME: Panoramic Sunroof

ITEM NO: 1004573-00-E REVISION: 14 DATE: 8/13/2014

DO NOT SCALE DRAWING SHEET 27.1

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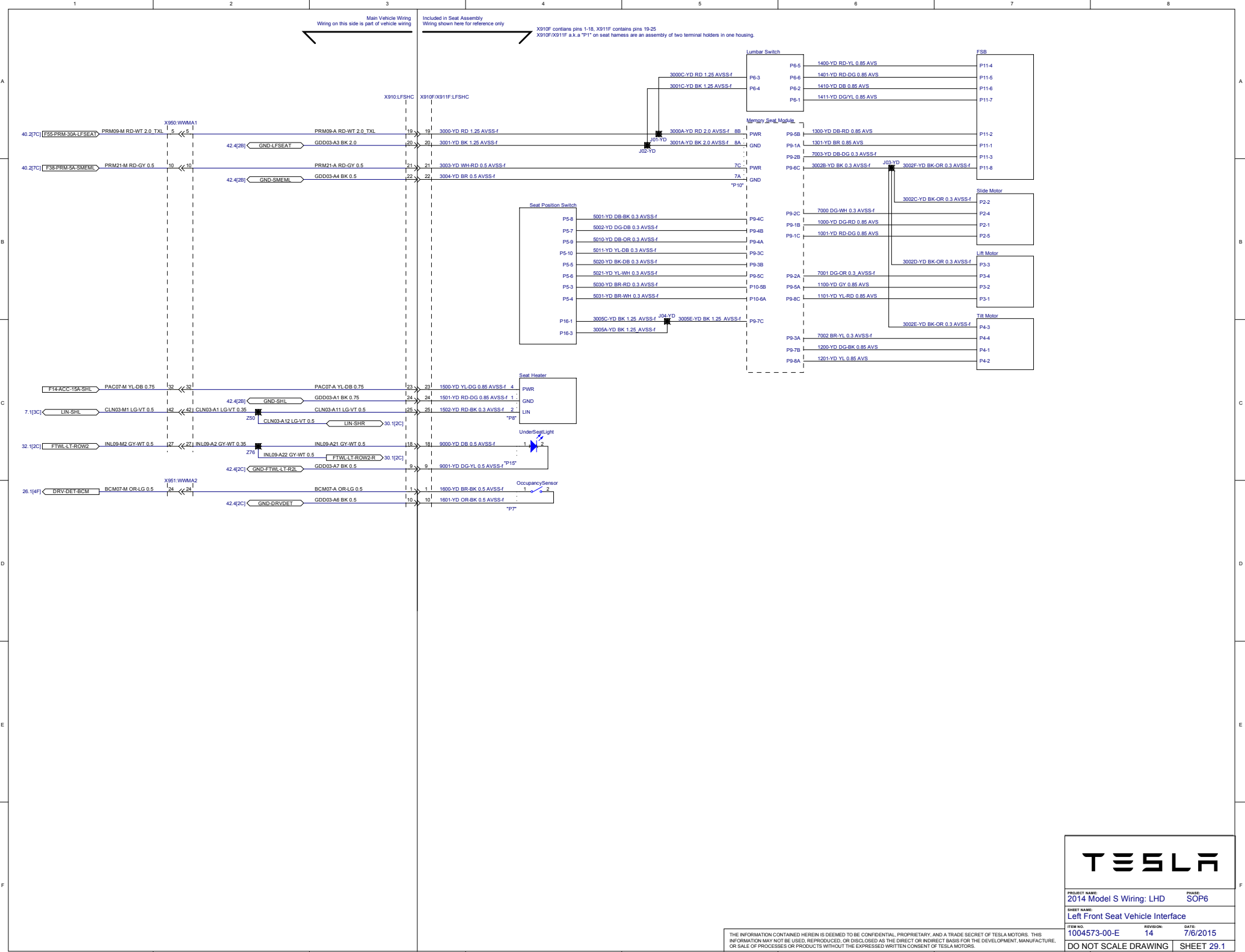


X250, X253 SEALED shield terminations
 SX1: shield termination splice. Drain wire is 22AWG
 AlphaWire 58134 Right direction, but wrong temperature spec.
 AlphaWire 42164 All 18AWG, overkill, but meets spec OD=8.3max

TESLA

PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP6	
SHEET NAME: Drive Inverter			
ITEM NO: 1004573-00-E	REVISION: 14	DATE: 8/17/2015	
DO NOT SCALE DRAWING		SHEET 28.1	

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TESLA

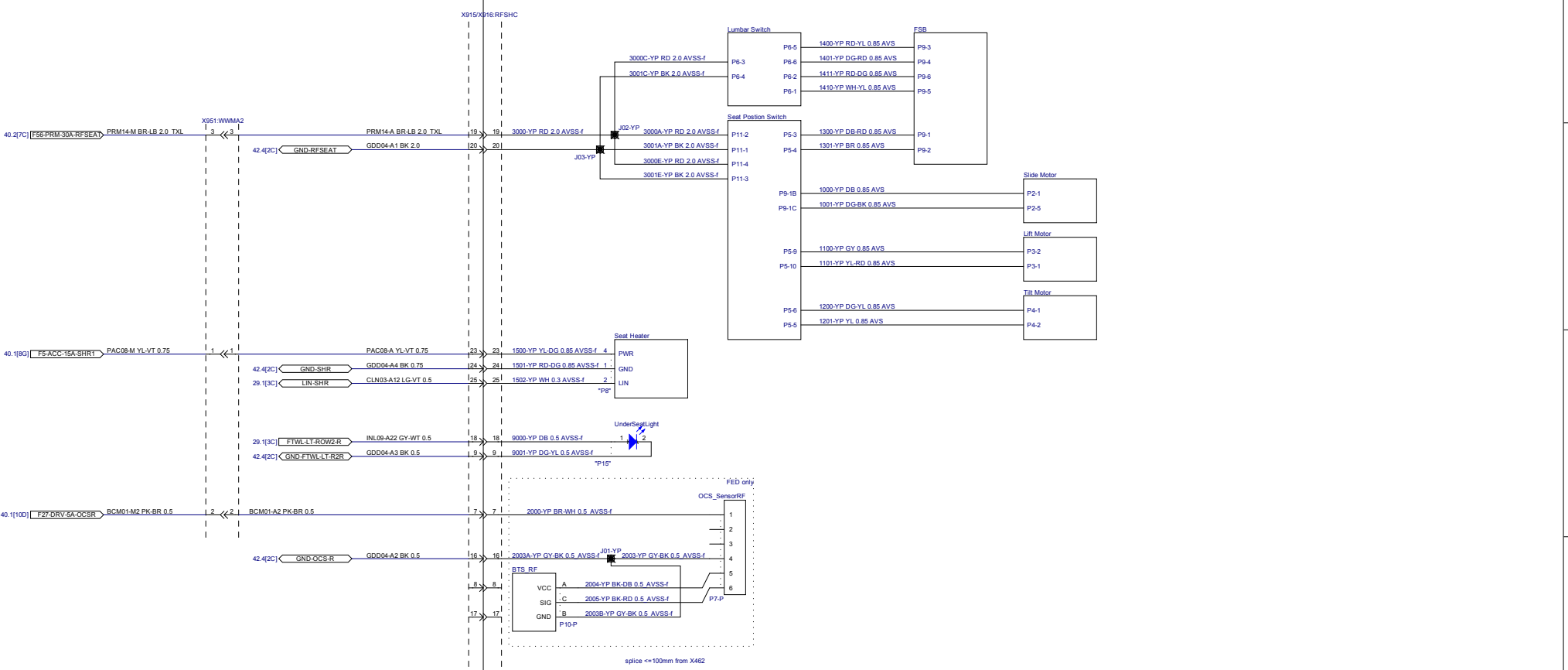
PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP6	
SHEET NAME: Left Front Seat Vehicle Interface			
ITEM NO: 1004573-00-E	REVISION: 14	DATE: 7/6/2015	
DO NOT SCALE DRAWING		SHEET 29.1	

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Main Vehicle Wiring
Wiring on this side is part of vehicle wiring

Included in Seat Assembly
Wiring shown here for reference only

X915F contains pins 1-18, X916F contains pins 19-25
X915F/X916F, a.k.a "P1" on seat harness are an assembly of two terminal holders in one housing.

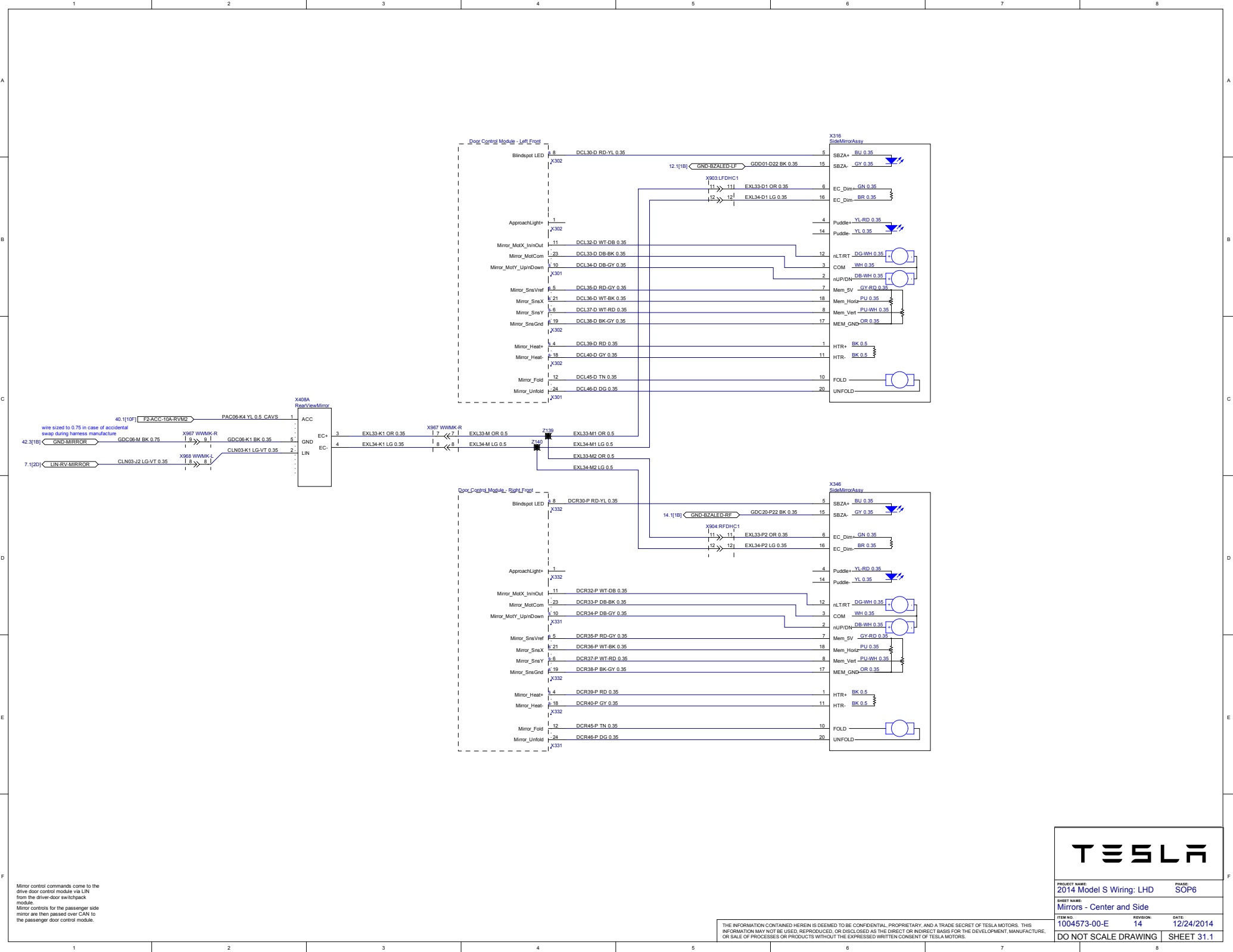


splice <= 100mm from X462

TESLA

PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP6	
SHEET NAME: Right Front Seat Vehicle Interface			
ITEM NO: 1004573-00-E	REVISION: 14	DATE: 12/21/2014	
DO NOT SCALE DRAWING			SHEET 30.1

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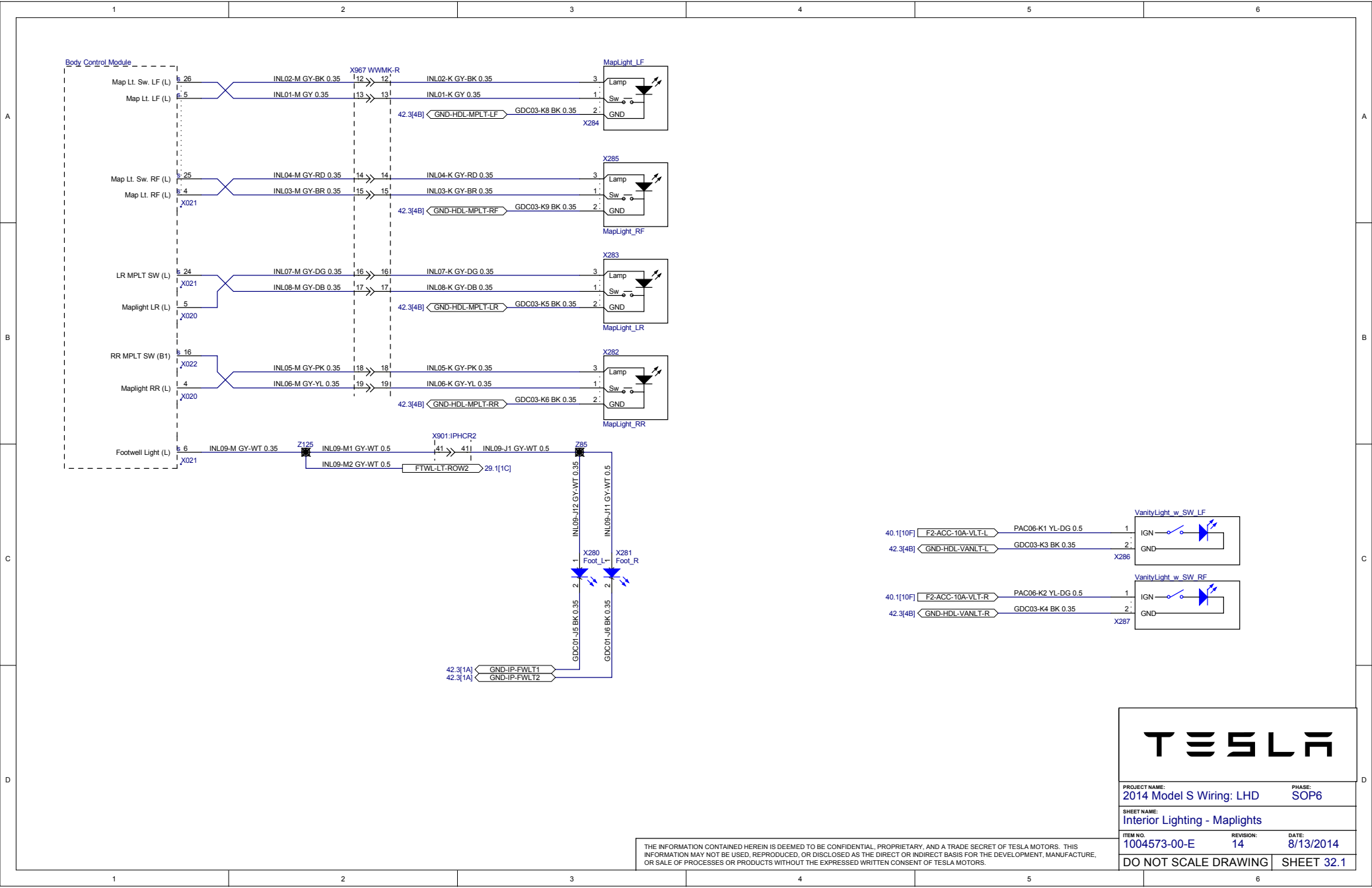


Minor control commands come to the drive door control module via LIN from the driver-door switchpack module.
 Mirror controls for the passenger side mirror are then passed over CAN to the passenger door control module.

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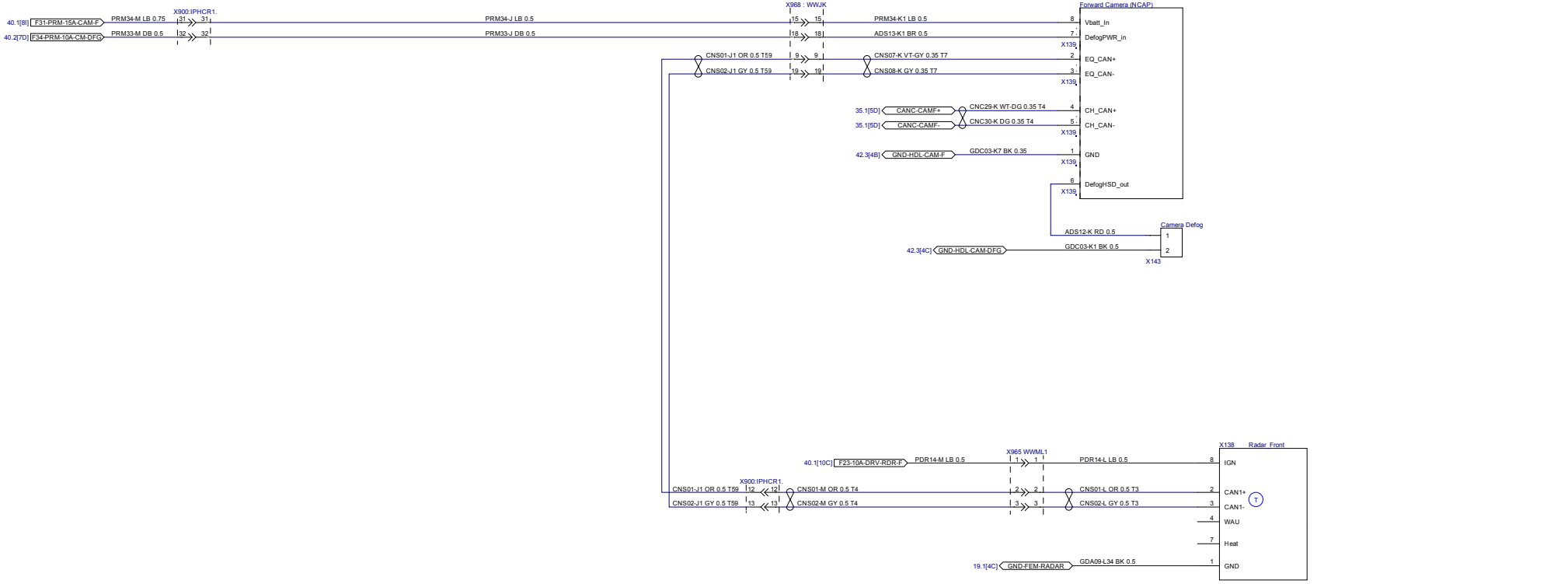
TESLA

PROJECT NAME: 2014 Model S Wiring: LHD	PHASE: SOP6
SHEET NAME: Mirrors - Center and Side	
ITEM NO: 1004573-00-E	REVISION: 14
DATE: 12/24/2014	
DO NOT SCALE DRAWING	SHEET 31.1



PROJECT NAME: 2014 Model S Wiring: LHD	PHASE: SOP6
SHEET NAME: Interior Lighting - Maplights	
ITEM NO: 1004573-00-E	DATE: 8/13/2014
REVISION: 14	
DO NOT SCALE DRAWING	SHEET 32.1

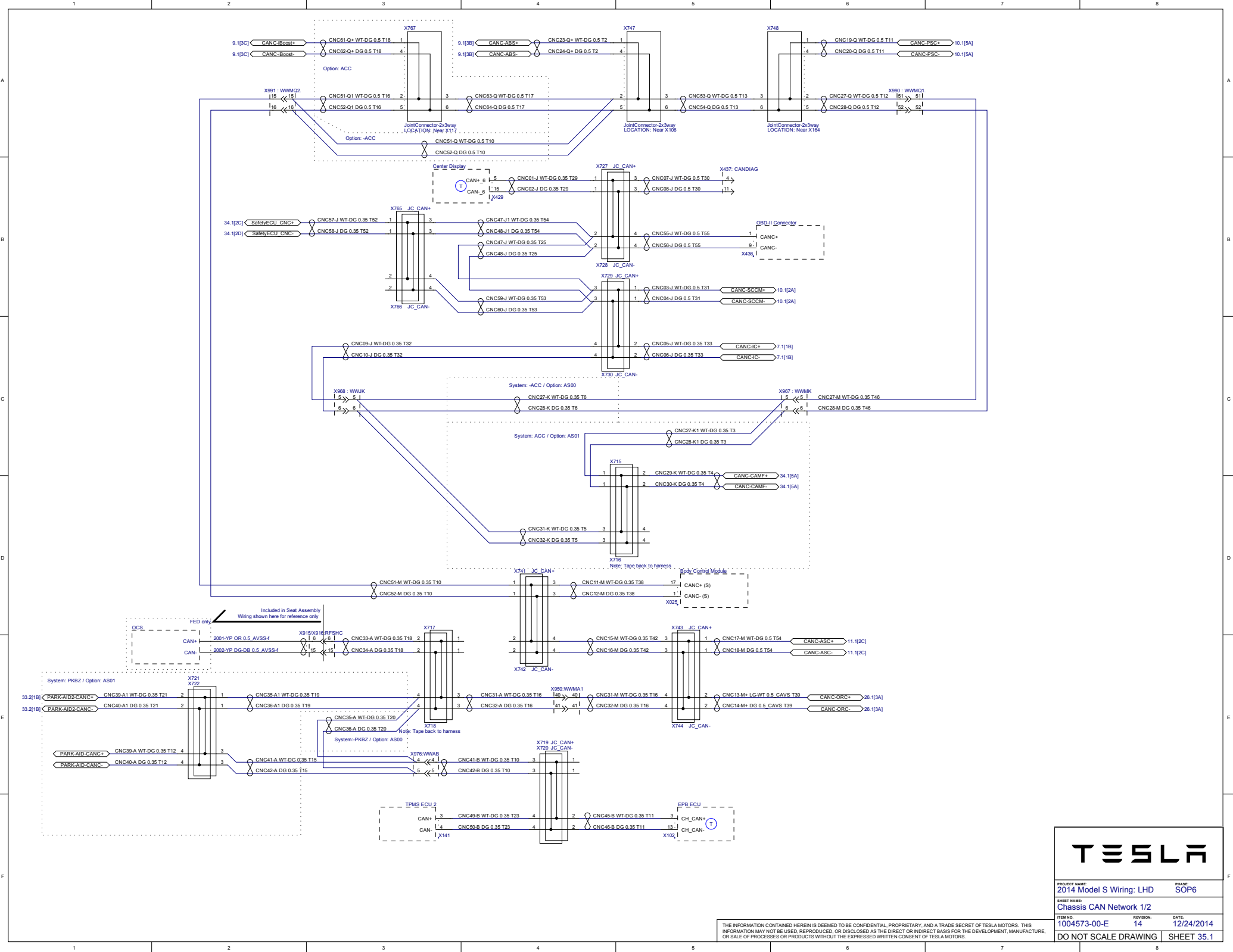
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT OF TESLA MOTORS.



TESLA

PROJECT NAME:	2014 Model S Wiring: LHD	PHASE:	SOP6
SHEET NAME:	Safety - Driver Assist, Blind Spot, NCAP		
ITEM NO:	1004573-00-E	REVISION:	14
		DATE:	3/20/2015
DO NOT SCALE DRAWING			SHEET 34.1

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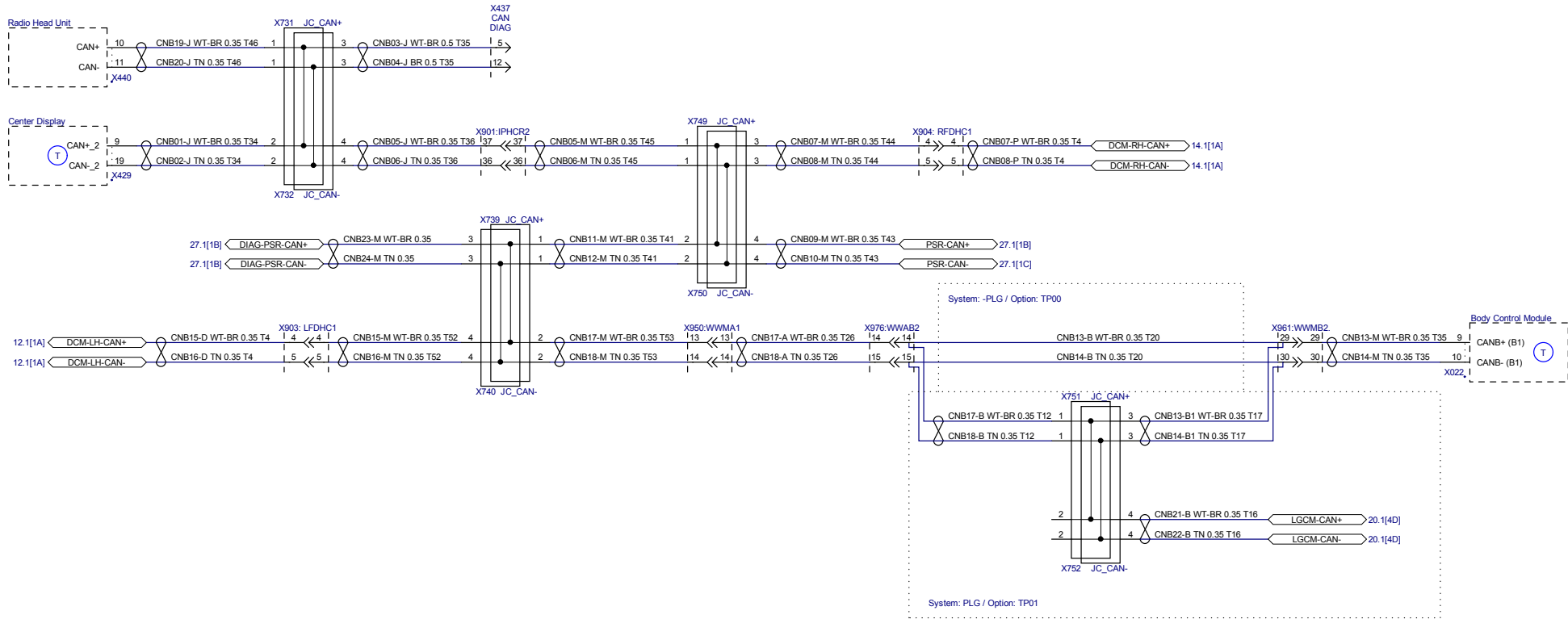


TESLA

PROJECT NAME: 2014 Model S Wiring: LHD	PHASE: SOP6
SHEET NAME: Chassis CAN Network 1/2	
ITEM NO: 1004573-00-E	REVISION: 14
DATE: 12/24/2014	SHEET 35.1

DO NOT SCALE DRAWING

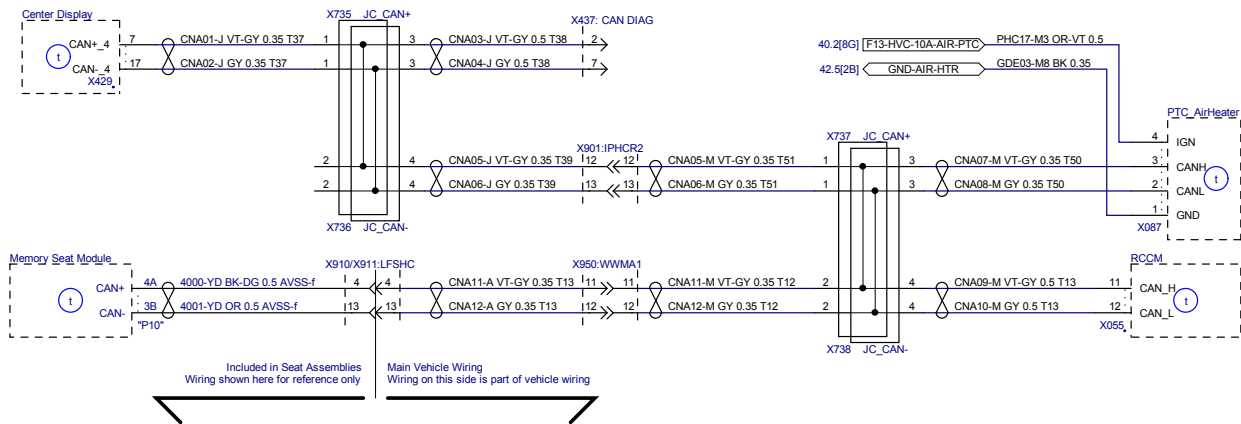
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT OF TESLA MOTORS.



TESLA

PROJECT NAME: 2014 Model S Wiring: LHD	PHASE: SOP6
SHEET NAME: Body CAN Network	
ITEM NO: 1004573-00-E	DATE: 12/24/2014
REVISION: 14	
DO NOT SCALE DRAWING	SHEET 36.1

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TESLA

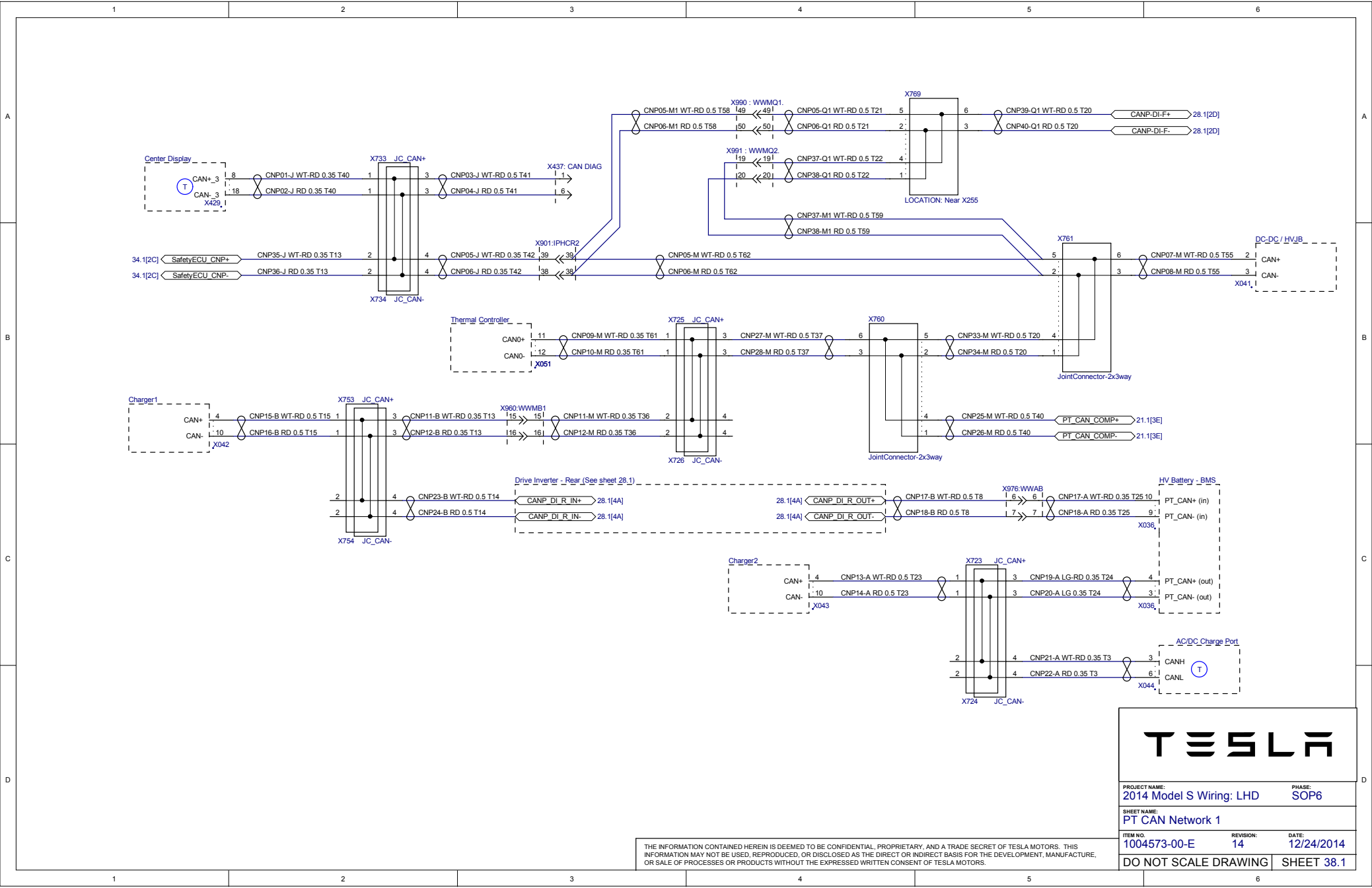
PROJECT NAME: 2014 Model S Wiring: LHD PHASE: SOP6

SHEET NAME: Body FT CAN Network

ITEM NO: 1004573-00-E REVISION: 14 DATE: 8/13/2014

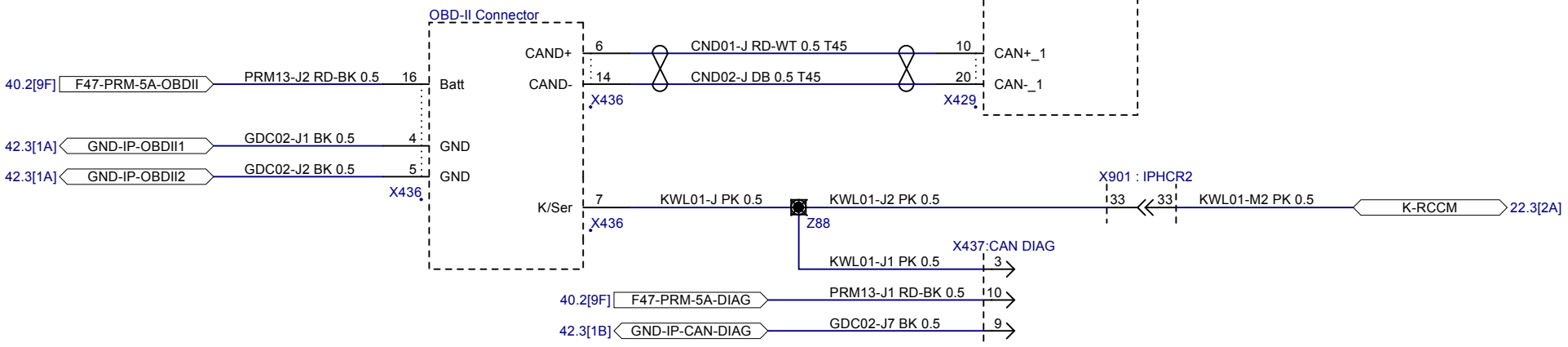
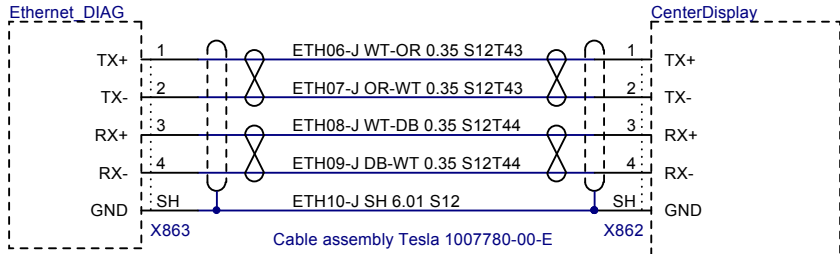
DO NOT SCALE DRAWING SHEET 37.1

THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT OF TESLA MOTORS.



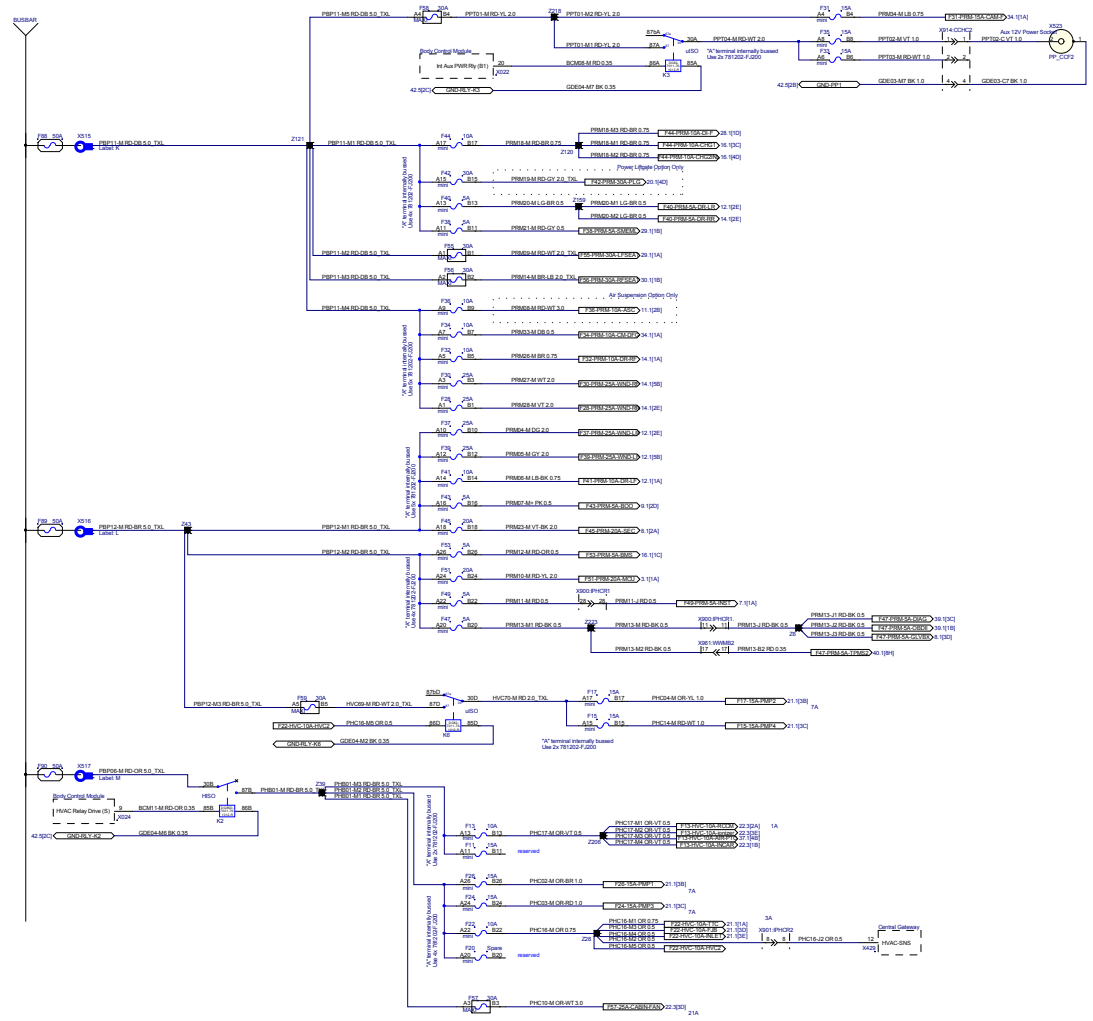
PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP6
SHEET NAME: PT CAN Network 1		
ITEM NO: 1004573-00-E	REVISION: 14	DATE: 12/24/2014
DO NOT SCALE DRAWING		SHEET 38.1

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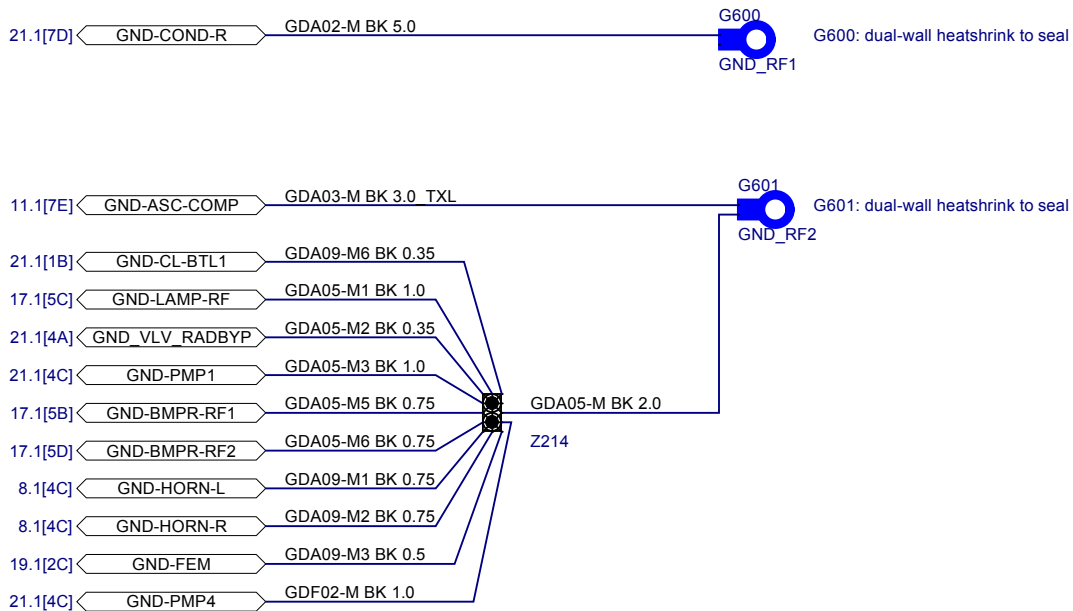
PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP6
SHEET NAME: Vehicle Diagnostic Connections		
ITEM NO. 1004573-00-E	REVISION: 14	DATE: 4/28/2015
DO NOT SCALE		SHEET 39.1

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RF Ground Point - Forward of Wheel



PROJECT NAME: 2014 Model S Wiring: LHD PHASE: SOP6

SHEET NAME: Ground Distribution - Right Front

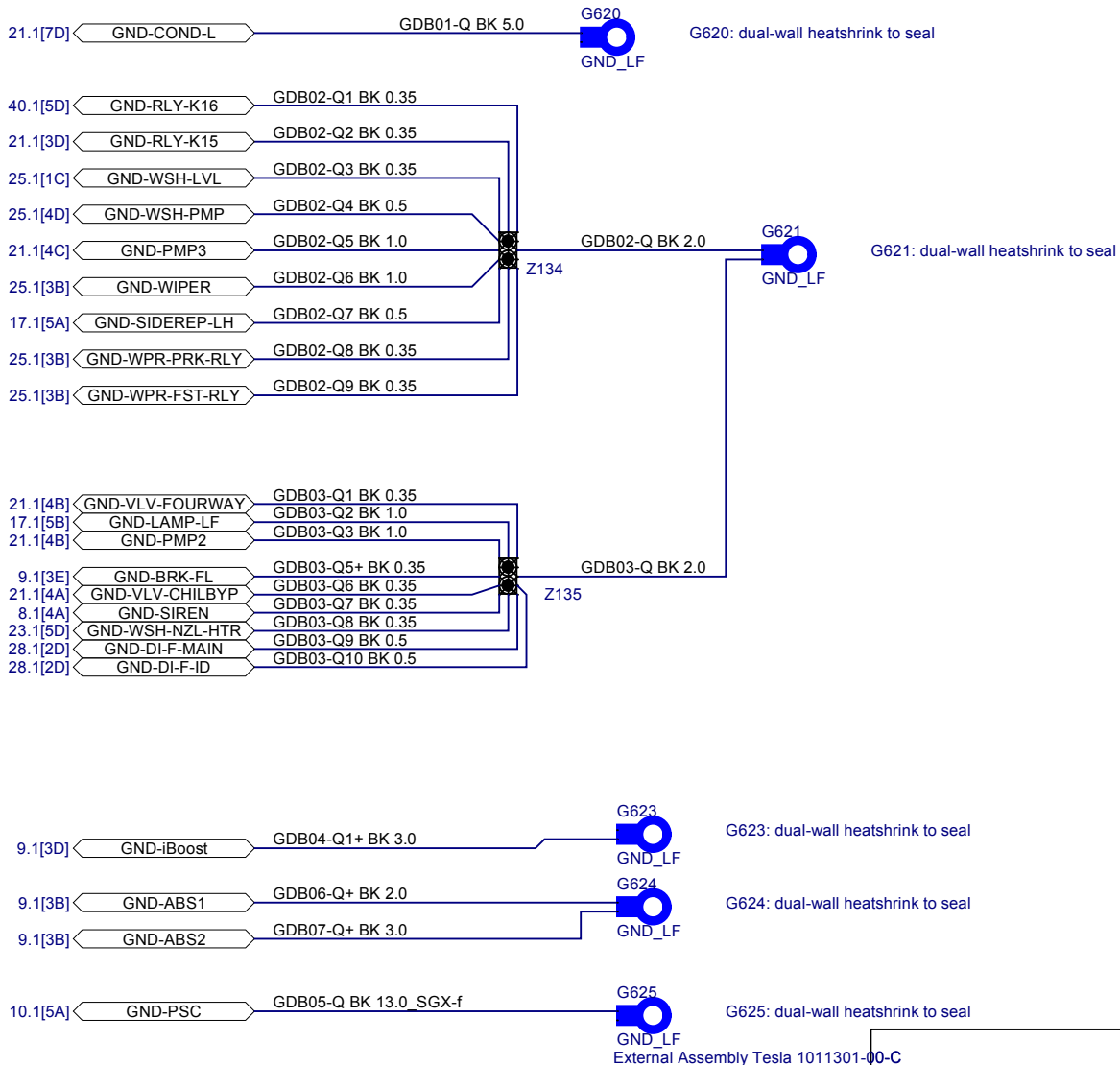
ITEM NO. 1004573-00-E REVISION: 14 DATE: 3/20/2015

DO NOT SCALE

SHEET 42.1

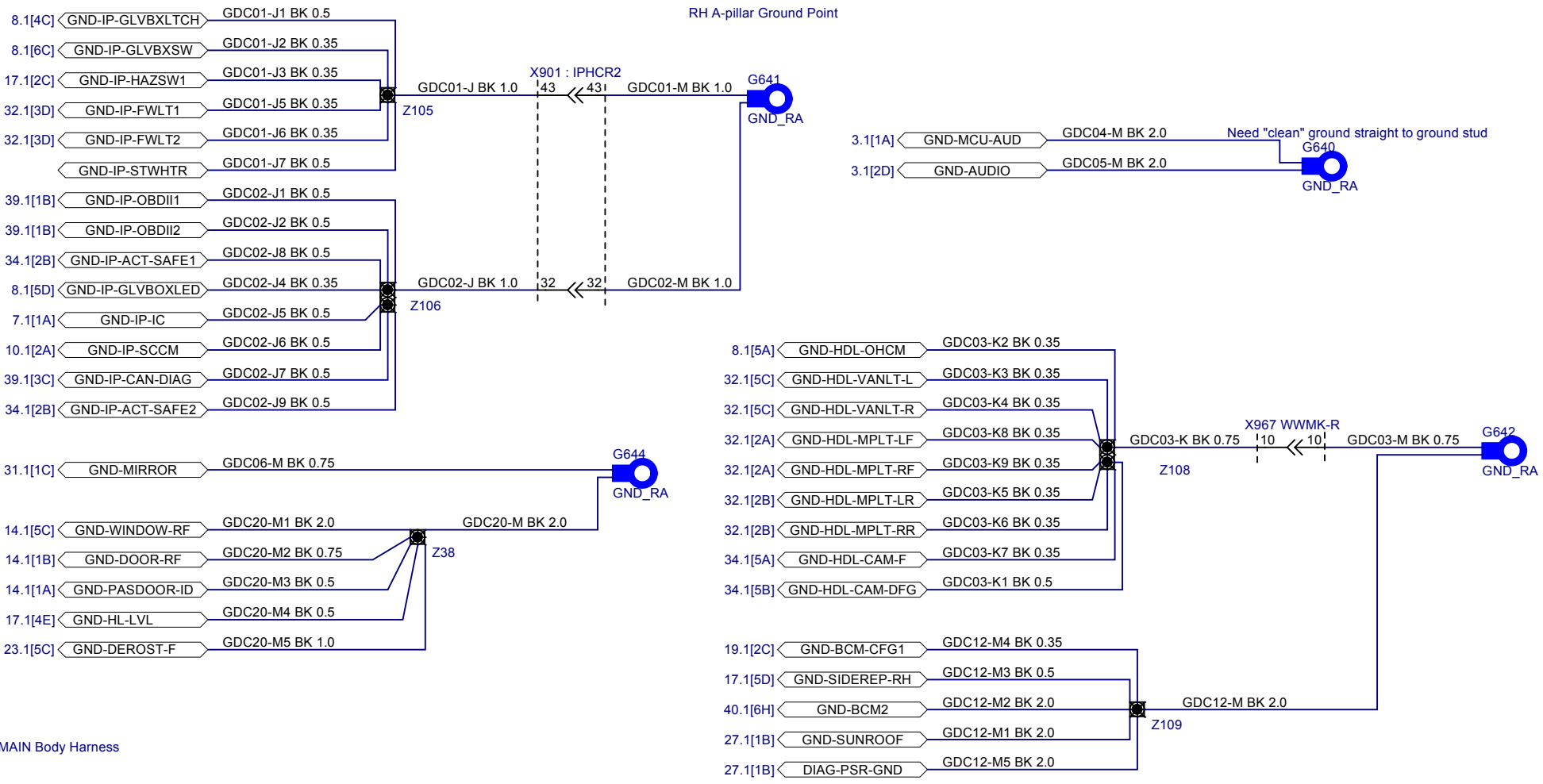
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT OF TESLA MOTORS.

LF Ground Point - Forward of Wheel

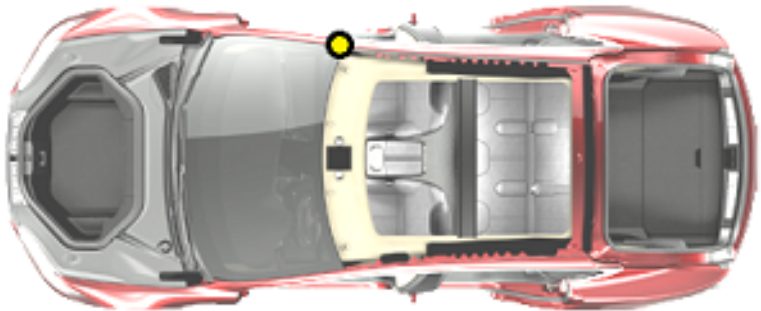


PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP6
SHEET NAME: Ground Distribution - Left Front		
ITEM NO. 1004573-00-E	REVISION: 14	DATE: 12/24/2014
DO NOT SCALE		SHEET 42.2

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MAIN Body Harness



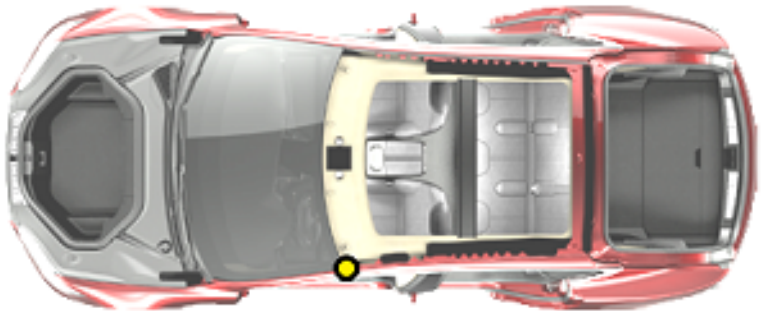
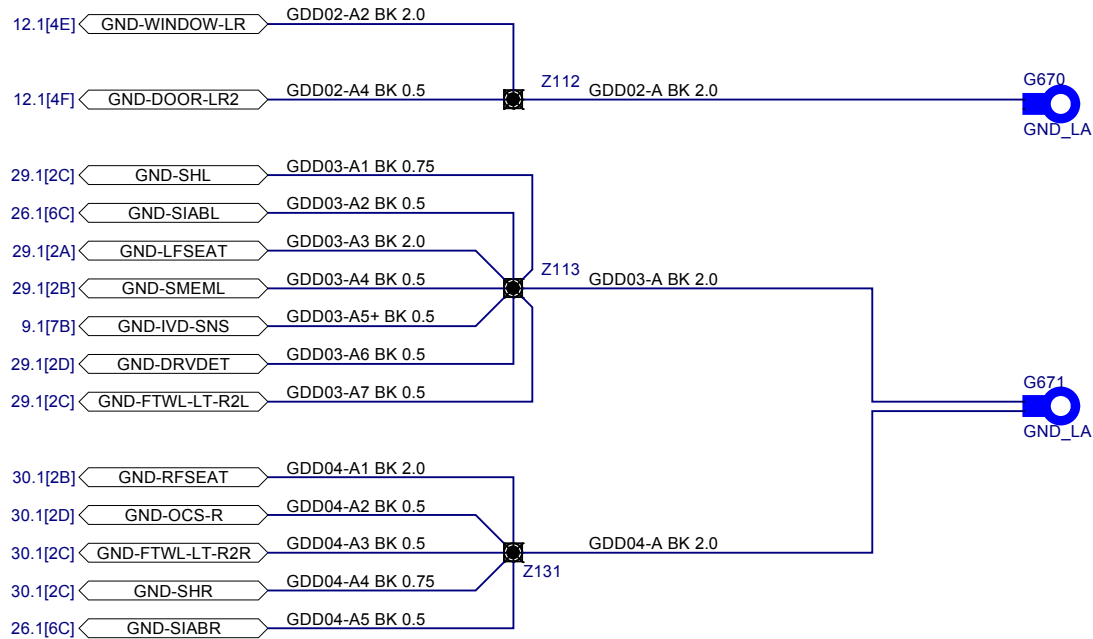
PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP6
SHEET NAME: Ground Distribution - RHS A-Pillar		
ITEM NO. 1004573-00-E	REVISION: 14	DATE: 9/2/2014
DO NOT SCALE		SHEET 42.3

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LH A-pillar Ground Point

MAIN Body Harness

LEFT Body Harness



TESLA

PROJECT NAME: 2014 Model S Wiring: LHD PHASE: SOP6

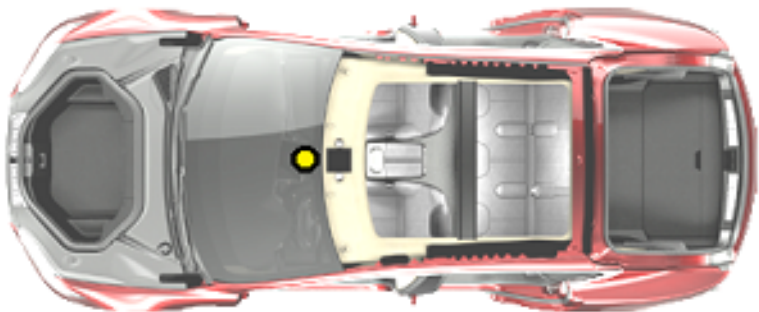
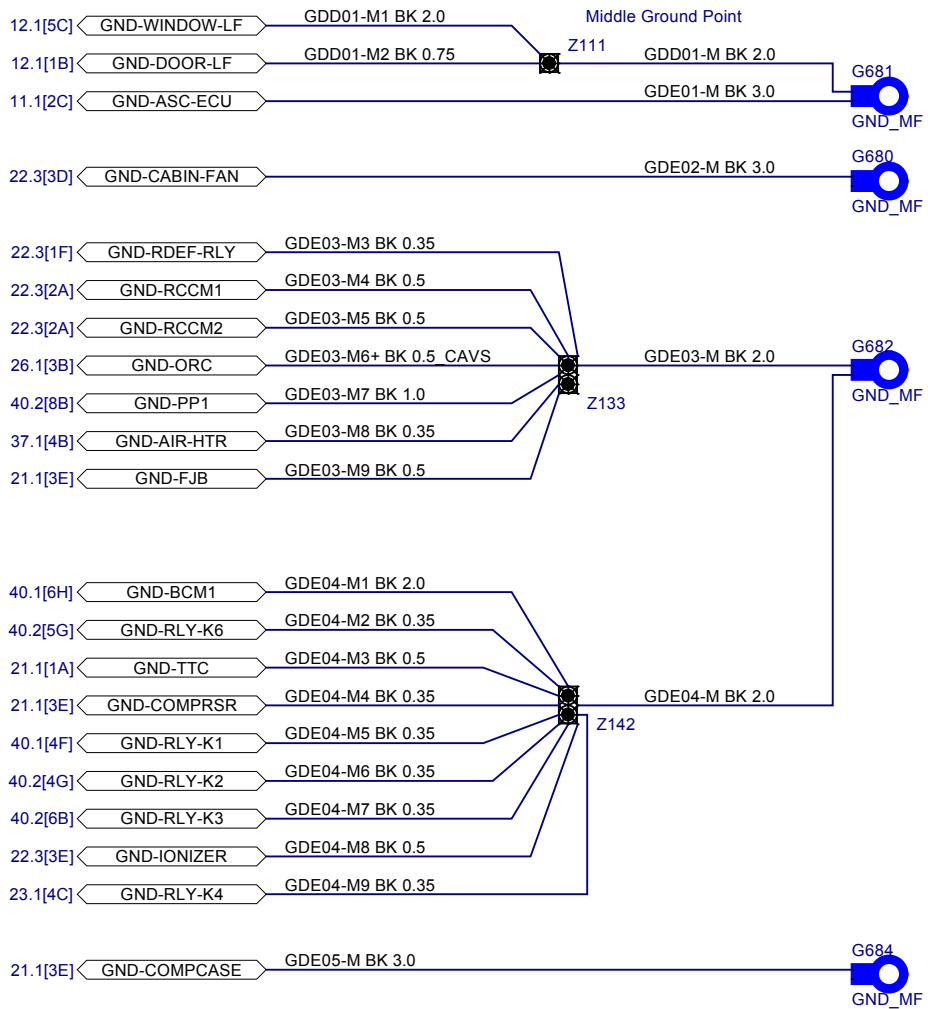
SHEET NAME: Ground Distribution - LHS A-pillar

ITEM NO. 1004573-00-E REVISION: 14 DATE: 8/13/2014

DO NOT SCALE

SHEET 42.4

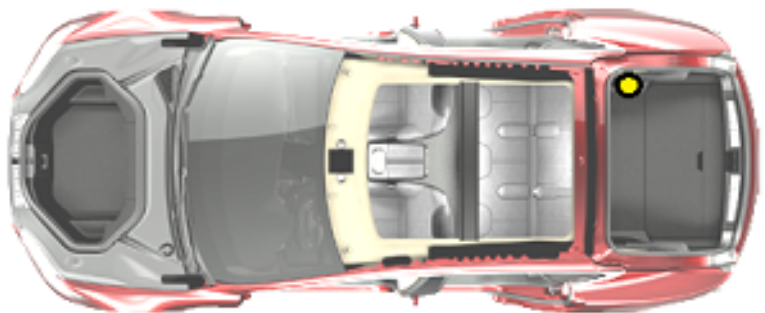
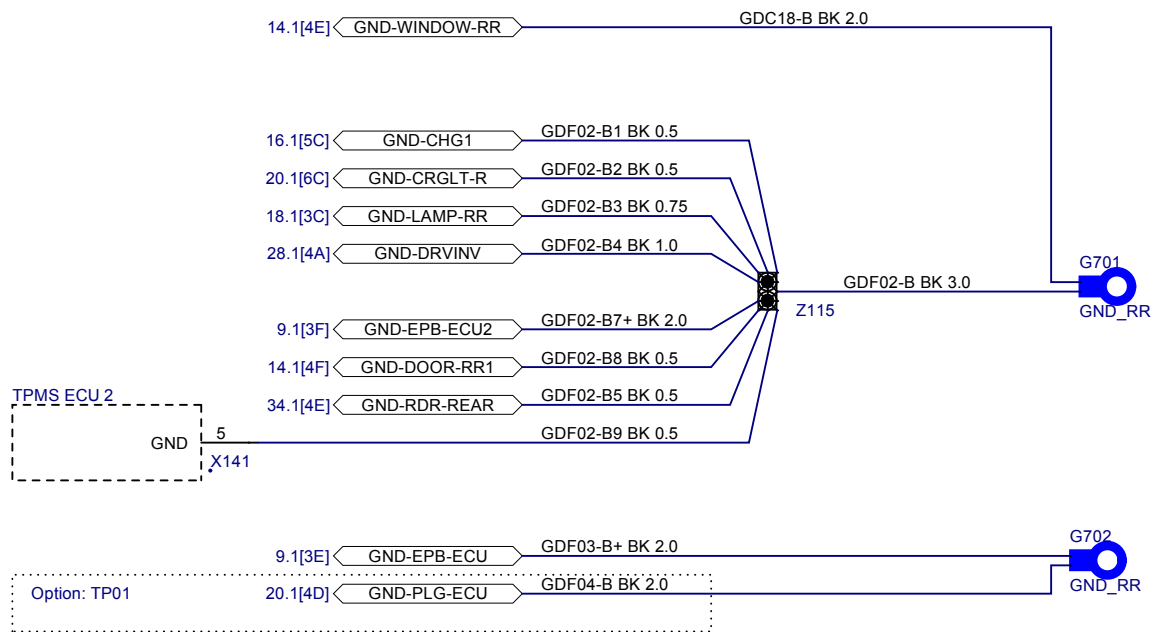
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT OF TESLA MOTORS.



<h1>TESLA</h1>		
PROJECT NAME: 2014 Model S Wiring: LHD	PHASE: SOP6	
SHEET NAME: Ground Distribution - Lower Center Stack		
ITEM NO. 1004573-00-E	REVISION: 14	DATE: 11/22/2016
DO NOT SCALE		SHEET 42.5

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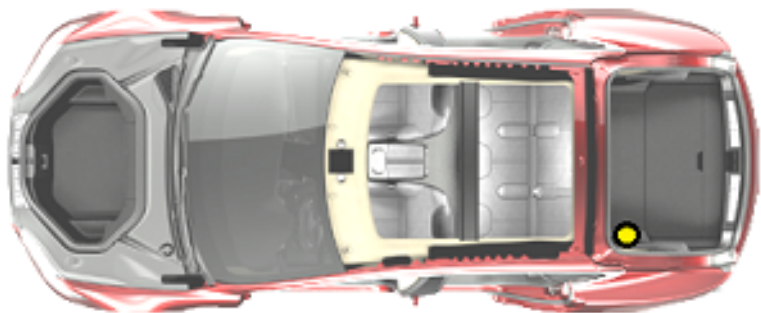
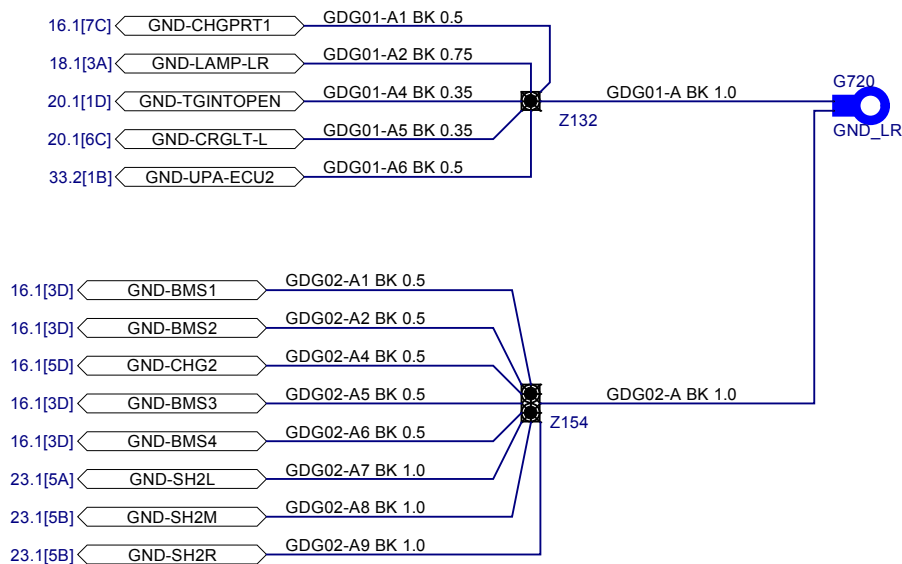
RR Ground Point - Behind Wheel



PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP6
SHEET NAME: Ground Distribution - Right Rear		
ITEM NO. 1004573-00-E	REVISION: 14	DATE: 3/20/2015
DO NOT SCALE		SHEET 42.6

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LR Ground Point - Behind Wheel



TESLA

PROJECT NAME: 2014 Model S Wiring: LHD PHASE: SOP6

SHEET NAME: Ground Distribution - Left Rear

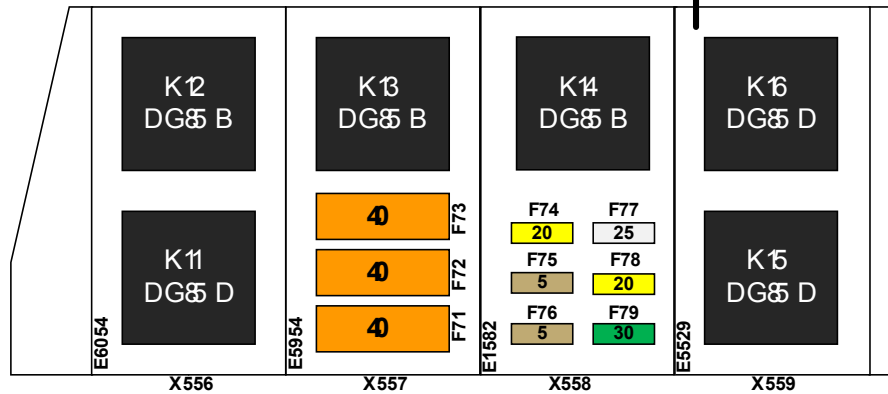
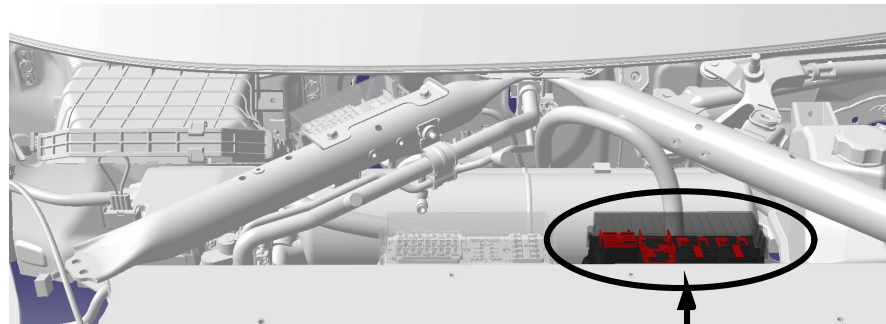
ITEM NO. 1004573-00-E REVISION: 14 DATE: 1/19/2015

DO NOT SCALE

SHEET 42.7

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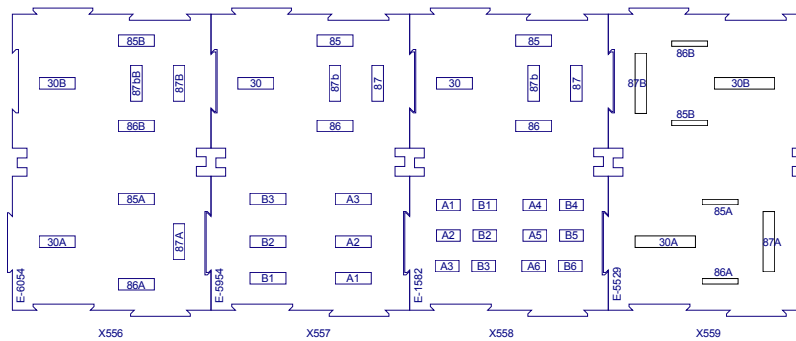
Des. Function	Option
F71 Condenser Fan, Left	ALL
F72 Condenser Fan, Right	ALL
F73 Brake Assist (iBoost/Vac.Pump)	ALL
F74 12V Drive Rail, Cabin	ALL
F75 Drive Inverter, Front	DV4W
F76 Ignition Sense	ALL
F77 Stability Control Valves	ALL
F78 Headlight Dip/Main Beam	ALL
F79 Lighting (Exterior/Interior)	ALL
K11 Air Suspension Compressor	ASC
K12 (not used)	-
K13 Wiper Fast Function	ALL
K14 Wiper Park Function	ALL
K15 Condenser Fan Power	ALL
K16 Drive Switched Power	ALL



4-Module Top Cover
AssemblyLocation: Tesla

4-Module Bottom Cover
AssemblyLocation: Yazaki

Assembly AEES R65330-001-A (fuses and relays separate)



TESLA

PROJECT NAME: 2014 Model S Wiring: LHD PHASE: SOP6

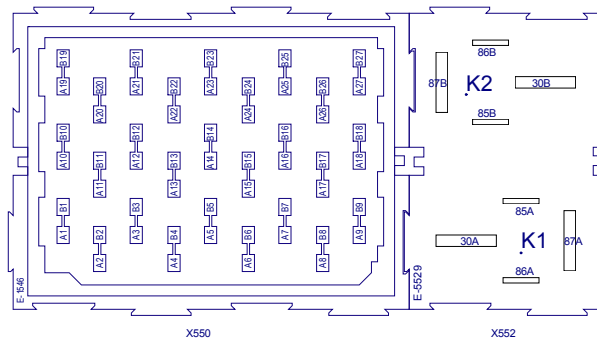
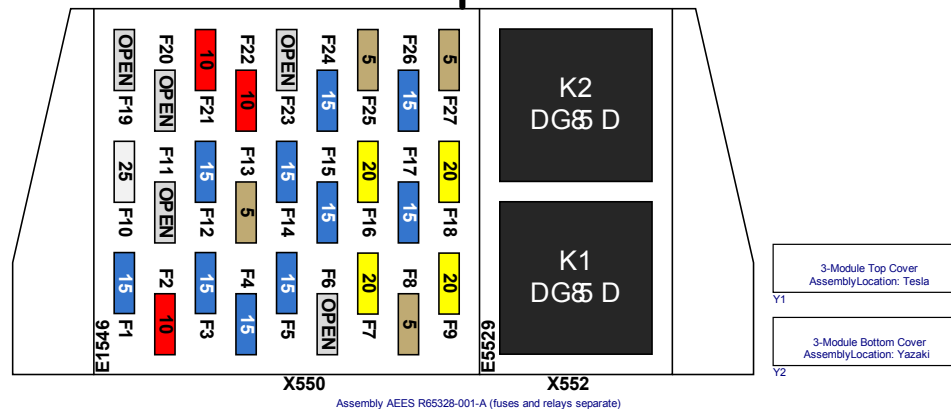
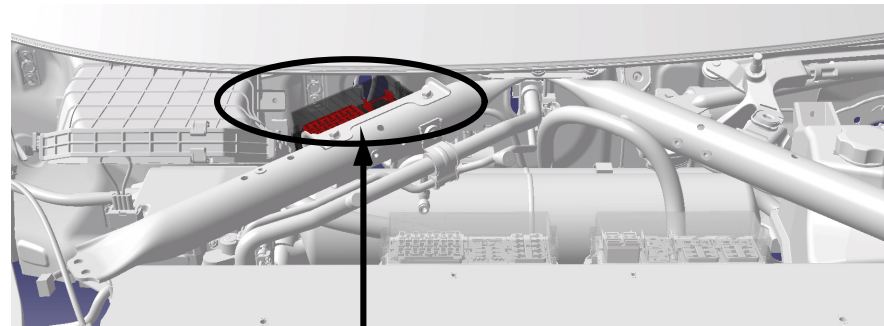
SHEET NAME: Front Fusebox Layout

ITEM NO: 1004573-00-E REVISION: 14 DATE: 3/30/2015

DO NOT SCALE DRAWING SHEET 44.1

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Des. Function	Option
F1 Wiper Park	ALL
F2 Headlamp leveling, Vanity Lights	ALL
F3 Seat Heater, Second Row Right	CW01
F4 Seat Heater, Second Row Middle	CW01
F5 Seat Heater, First Row Right	ALL
F6 Steering Wheel Heater	
F7 Electronic Park Brake, Redundant	ALL
F8 Steering Column Module	ALL
F9 Base Audio System	ALL
F10 Panoramic Sunroof	RFPO
F11 not used	
F12 Seat Heater, Second Row Left	CW01
F13 Cabin HVAC Functions	ALL
F14 Seat Heater, First Row Left	ALL
F15 Coolant Pump 4	DV4W
F16 Electronic Park Brake, Primary	ALL
F17 Coolant Pump 2	ALL
F18 Premium Audio Amplifier	AU01
F19 not used	
F20 not used	
F21 Park Assist / Blind Zone	PK/BS
F22 Thermal System Controls	ALL
F23 Forward Radar	DSS
F24 Coolant Pump 3	ALL
F25 Drive Inverter, Rear	ALL
F26 Coolant Pump 1	ALL
F27 Restraints Control Module	ALL
K1 ACC Power Switch	ALL
K2 HVAC Power Switch	ALL

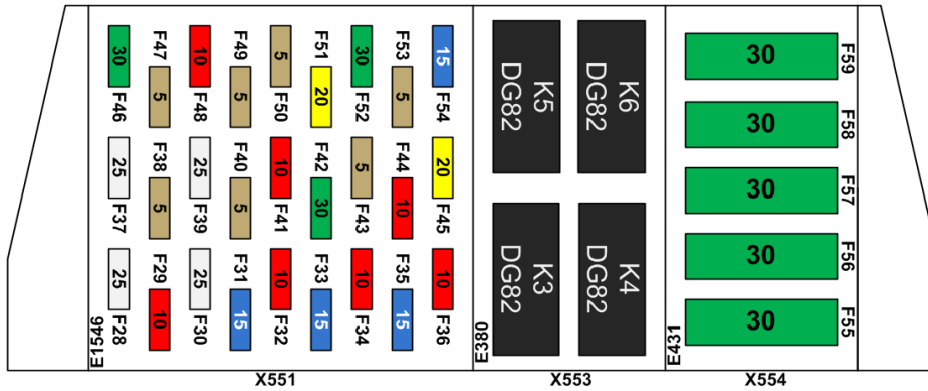
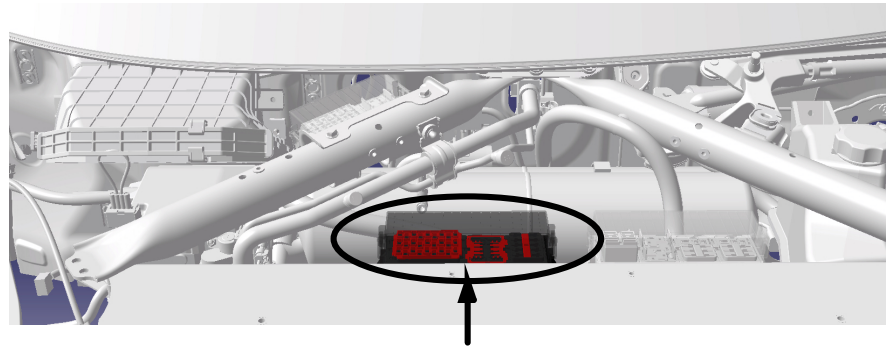


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TESLA

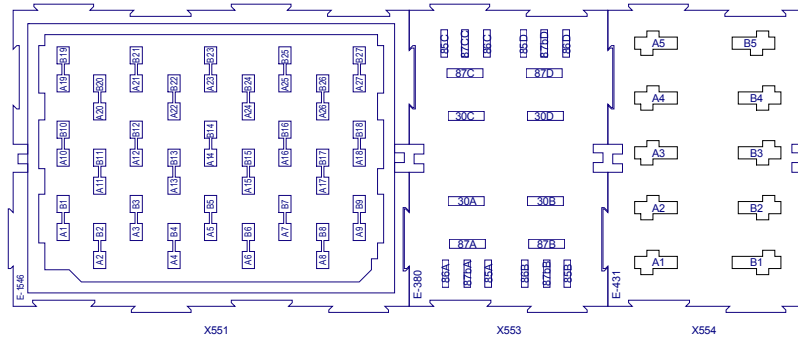
PROJECT NAME: 2014 Model S Wiring: LHD	PHASE: SOP6
SHEET NAME: "Cabin" Fusebox 1 Layout	
ITEM NO: 1004573-00-E	REVISION: 14
DATE: 4/28/2015	
DO NOT SCALE DRAWING	SHEET 44.2

Des. Function	Option
F28 Window Lift Motor, Right Rear	ALL
F29 Contactor Power	ALL
F30 Window Lift Motor, Right Front	ALL
F31 Forward Camera / Active Safety	NCAP/DSS
F32 Door Controls, Right Side	ALL
F33 12V Accessory Spare	ALL
F34 Forward Camera Defog	NCAP/DSS
F35 12V Accessory Outlet	ALL
F36 Air Suspension Control, Valves	ASC
F37 Window Lift Motor, Left Rear	ALL
F38 Driver's Seat Memory	ALL
F39 Window Lift Motor, Left Front	ALL
F40 Rear Door Handles	ALL
F41 Door Controls, Left Side	ALL
F42 Power Liftgate	PLG
F43 Perm. Power Sense, Brake Sw.	ALL
F44 Chargers, Charge Port	ALL
F45 Passive Entry, Horns, Security	ALL
F46 Body Controls, Group 2	ALL
F47 Glove Box Light, OBD-II	ALL
F48 Body Controls, Group 1	ALL
F49 Instrument Cluster	ALL
F50 Siren, Intrusion/Tilt Sensor	SP01
F51 Center Display	ALL
F52 Rear Window Defrost Grid	ALL
F53 Battery Management System	ALL
F54 Wiper De-Icer	ALL
F55 Left Front Seat Adjust Motor	ALL
F56 Right Front Seat Adjust Motor	ALL
F57 Cabin Fan	ALL
F58 12V Outlet/Forward Camera Sub.	ALL
F59 HVAC2 functions	ALL
K3 12V Outlet Switch	ALL
K4 Wiper De-Ice	CW01
K5 Rear Defrost Grid	ALL
K6 HVAC2 functions	ALL



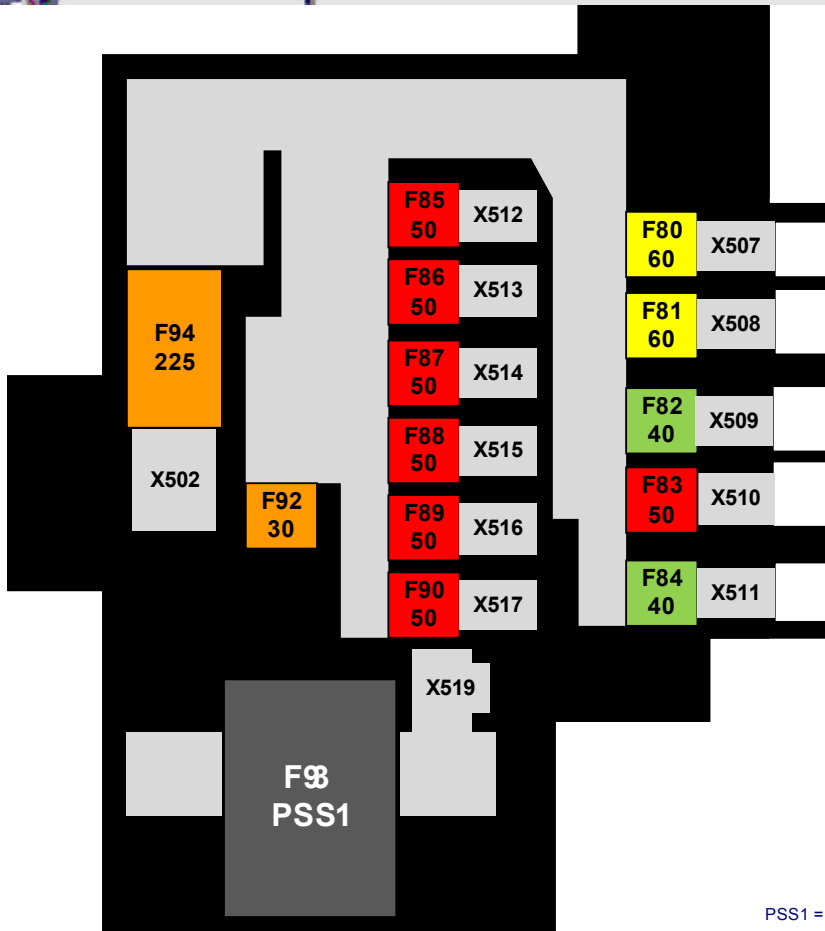
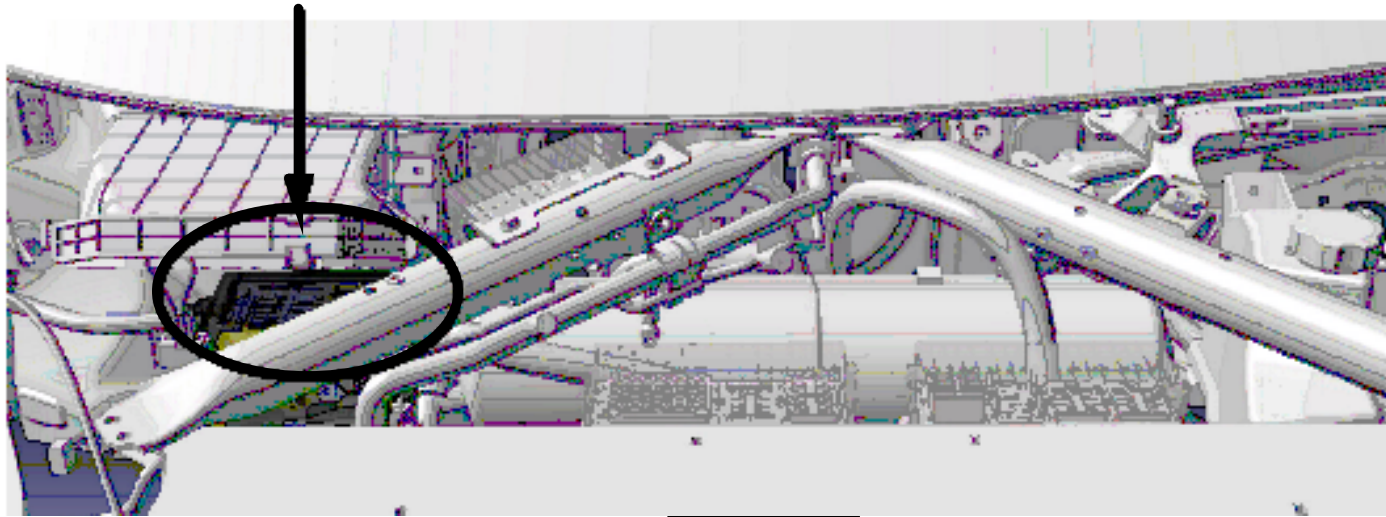
4-Module Top Cover
AssemblyLocation: Tesla

4-Module Bottom Cover
AssemblyLocation: Yazaki



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PROJECT NAME: 2014 Model S Wiring: LHD	PHASE: SOP6
SHEET NAME: "Cabin" Fusebox 2 Layout	
ITEM NO: 1004573-00-E	REVISION: 14
	DATE: 8/17/2015
DO NOT SCALE DRAWING	SHEET 44.2



PSS1 = TPN 1004635-00-A

Loc.	Description / Function	Type	Des.
F80	Power Steering	MIDI	X507
F81	Condenser Fans Master Fuse	MIDI	X508
F82	Air Suspension Compressor	MIDI	X509
F83	Jump Post	MIDI	X510
F84	ABS Motor	MIDI	X511
F85	Drive 12V Power Master Fuse	MIDI	X512
F86	ACC 12V Bus Master Fuse	MIDI	X513
F87	Permanent Power Group 1	MIDI	X514
F88	Permanent Power Group 2	MIDI	X515
F89	Permanent Power Group 3	MIDI	X516
F90	HVAC 12V Bus Master Fuse	MIDI	X517
F92	Contactor Power	MIDI	X503
F93	BDS: Contactor Power Cutoff	PSS1	X519
F94	Battery-DCDC Master Fuse	MEGA	X502



PROJECT NAME: 2014 Model S Wiring: LHD		PHASE: SOP6
SHEET NAME: Battery-Mounted Fusebox Layout		
ITEM NO. 1004573-00-E	REVISION: 14	DATE: 5/22/2014
DO NOT SCALE		SHEET 44.4

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