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6	Infotainment non-Antenna connections
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10	Chassis - Power Steering and Steering wheel controls
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17	Body - Exterior Lights, Front
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28	Powertrain - Drive Inverter, Accelerator Pedal
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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
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43	Layout and Function of Fuse/Relay Boxes

Abbreviation	Meaning
LF	Left Front
RR	Right Rear
RF	Right Front
MF	Middle Front
LR	Left Rear

Designator	Meaning
LF/DHC	LF Door Harness Connector
CCHC	Center Console Harness Connector
LR/DHC	LR Door Harness Connector
IPHC(L/R)	Instrument Panel Harness Connector (Left/Right)
RF/DHC	RF Door Harness Connector
RSFHC	Rear Subframe harness connector
RR/DHC	RR Door Harness Connector
WWX%	Wire-to-wire %-to-%-to-designator
GHHC	TailGate Harness Connector

Designator	Meaning
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	td
M	Main Harness, Lower IP and Front Trunk area
Z	Single Cables - Each circuit is a separate assembly

Designator	Color	Designator	Color	Designator	Color	Designator	Color
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	-	-
DY	Gray	VT	Violet (Purple)	-	-	-	-

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

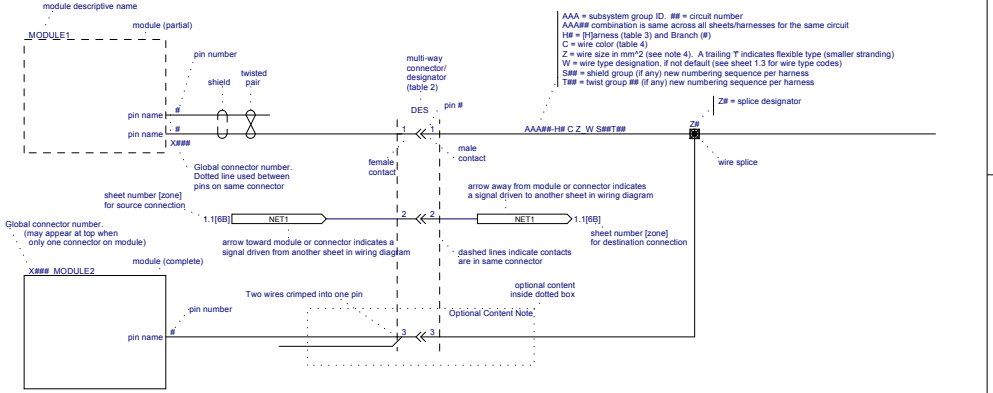
Designator	Meaning
TWP	SAE J1128 TWP - thin-wall 105C rated
TXL	SAE J1128 TXL - thin-wall 125C rated
STX	SAE J1127 STX - thin-wall 125C rated
SGX	SAE J1127 SGX - general purpose 125C rated
J	flexible type (add to any type) = small strand
RFXFA	SAE J1128 TXL-F thin-wall high-flex 125C rated
CAVS	JASO 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 19.0 / 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	60.0	SAE 60.0 / 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
PRMT	PARAM WireType Designat JSD

- Unless otherwise specified, terminal plating is to be Tin or Pre-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.
- Inline connector gender specification is based on the terminal type. Inline connectors with "M" suffix have male, lab or pin terminals. Inline connectors with "F" suffix have female, receptacle or socket terminals.

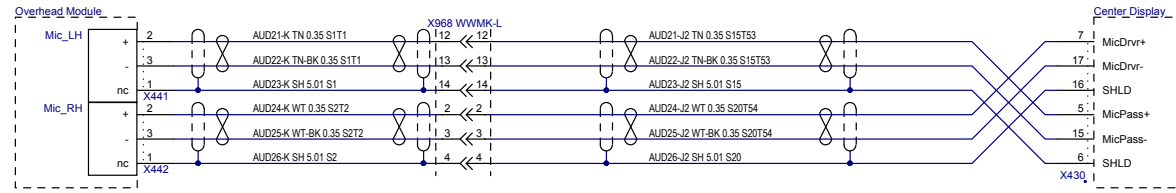


TESLA

PROJECT NAME: 2015 Model S Wiring: RHD	PHASE: SOP4
SHEET NAME: Table of Contents	
ITEM NO: 1004573-00-E	REVISION: 15
DATE: 8/11/2015	
DO NOT SCALE DRAWING SHEET 1.1	

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

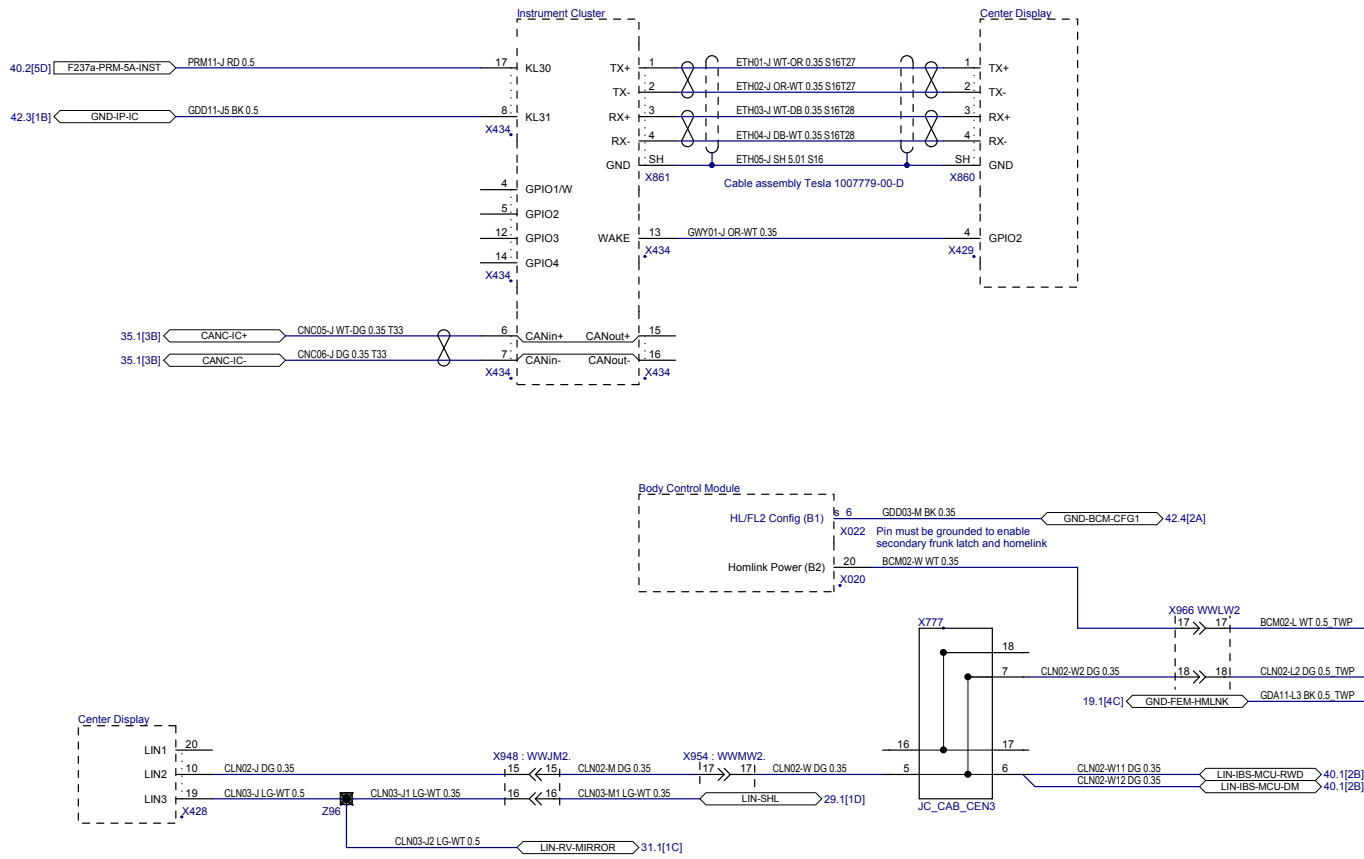


Microphone function at center display is based on Driver/Passenger, so wire are switched for RHD



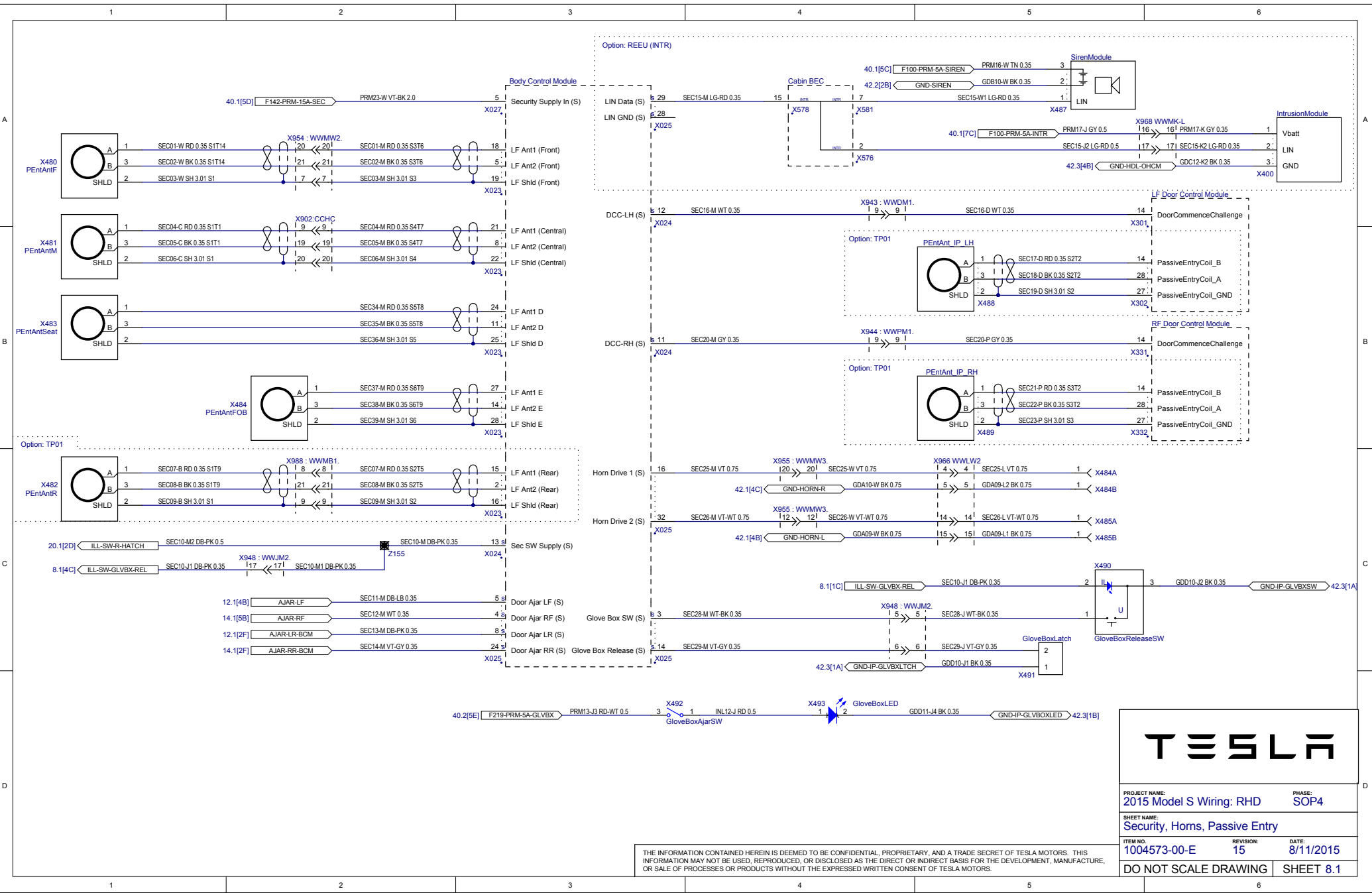
PROJECT NAME: 2015 Model S Wiring: RHD		PHASE: SOP4
SHEET NAME: Center Display - Microphone and USB		
ITEM NO: 1004573-00-E	REVISION: 15	DATE: 8/11/2015
DO NOT SCALE DRAWING		SHEET 6.1

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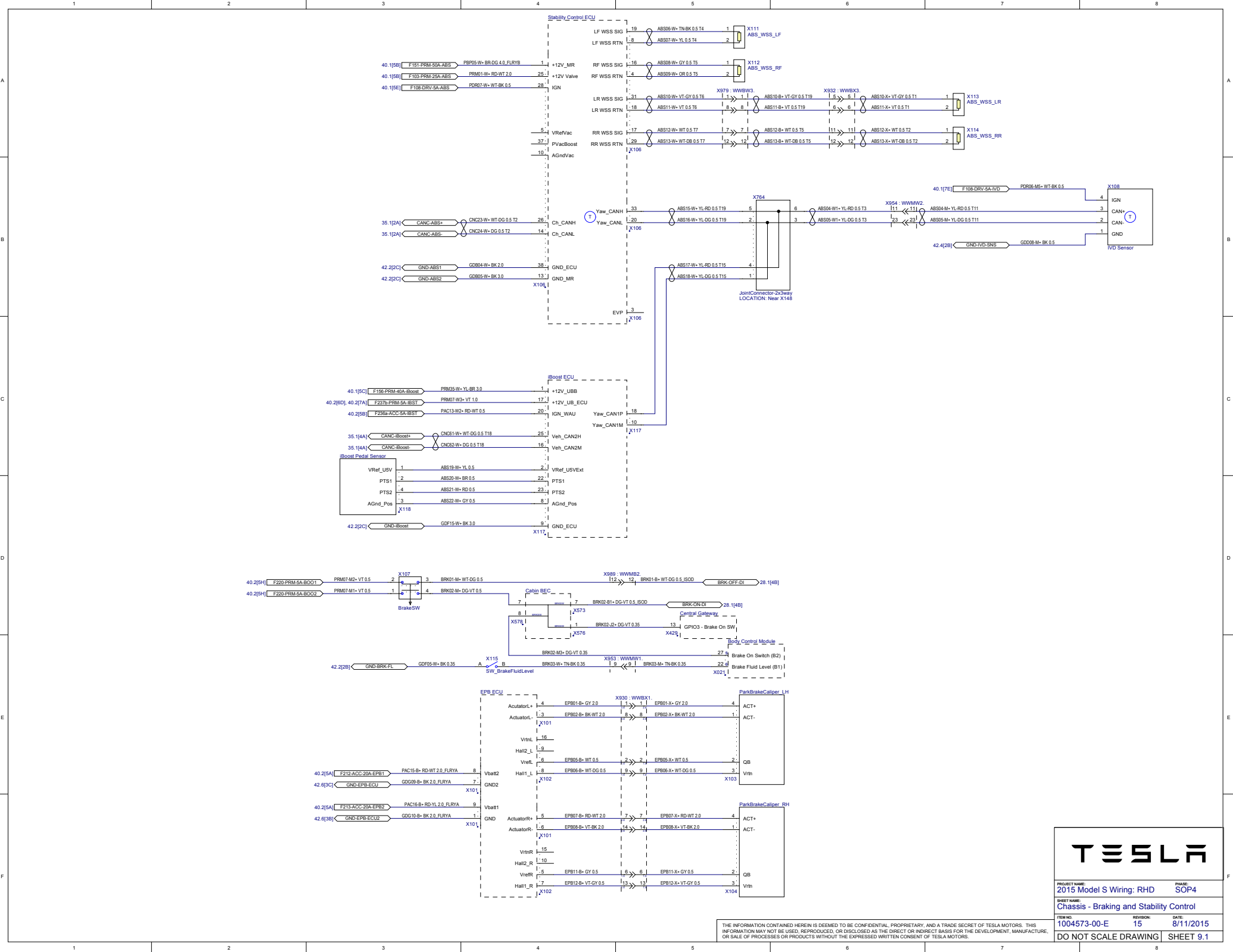
PROJECT NAME: 2015 Model S Wiring: RHD		PHASE: SOP4	
SHEET NAME: Center Disp. - Inst. Cluster and LIN Interface			
ITEM NO: 1004573-00-E	REVISION: 15	DATE: 8/18/2015	
DO NOT SCALE DRAWING			SHEET 7.1

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PROJECT NAME: 2015 Model S Wiring: RHD	PHASE: SOP4
SHEET NAME: Security, Horns, Passive Entry	
ITEM NO: 1004573-00-E	DATE: 8/11/2015
REVISION: 15	DATE: 8/11/2015
DO NOT SCALE DRAWING	SHEET 8.1

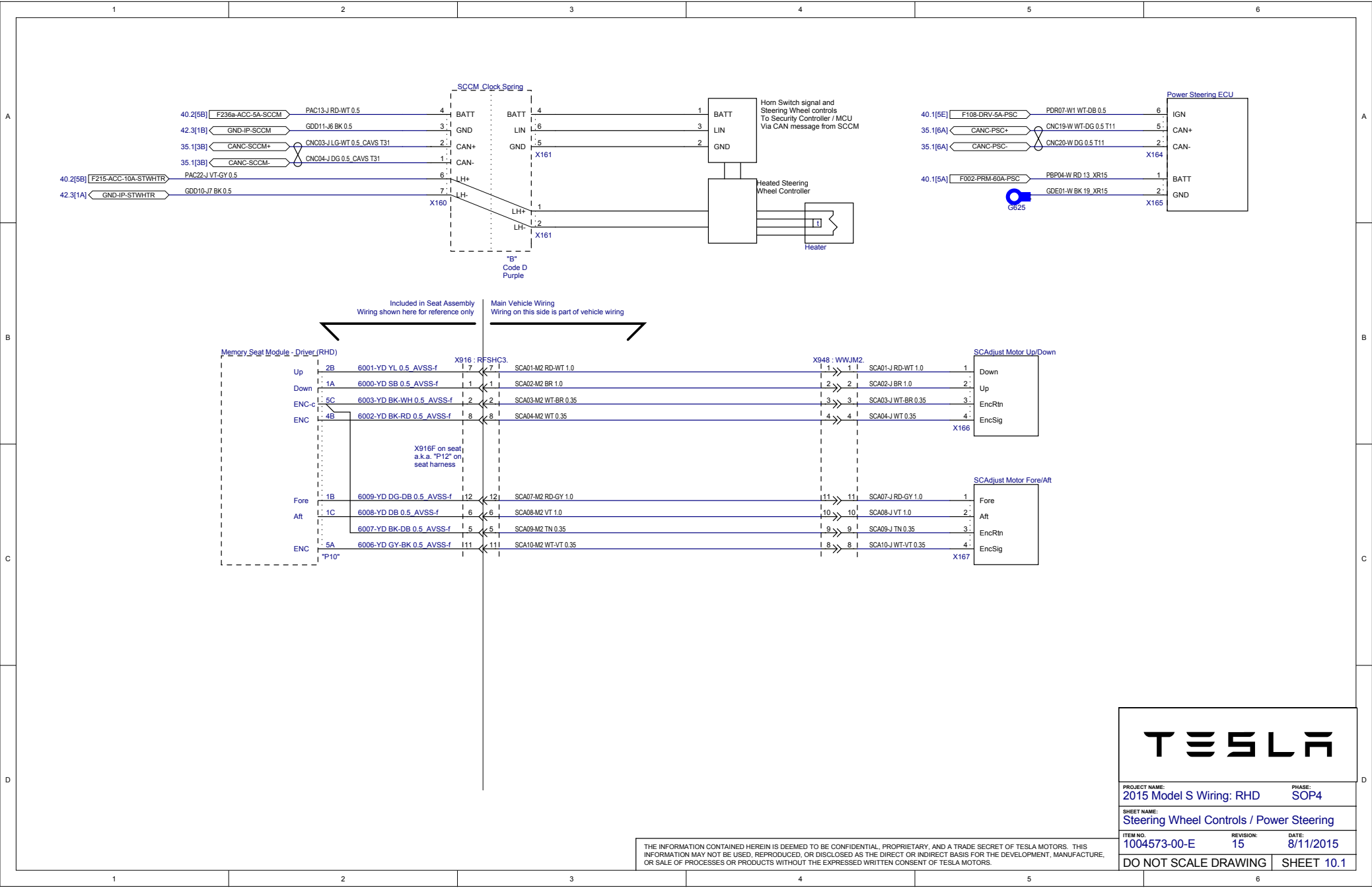
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TESLA

PROJECT NAME: 2015 Model S Wiring: RHD		PHASE: SOP4	
SHEET NAME: Chassis - Braking and Stability Control			
ITEM NO: 1004573-00-E	REVISION: 15	DATE: 8/11/2015	
DO NOT SCALE DRAWING		SHEET 9.1	

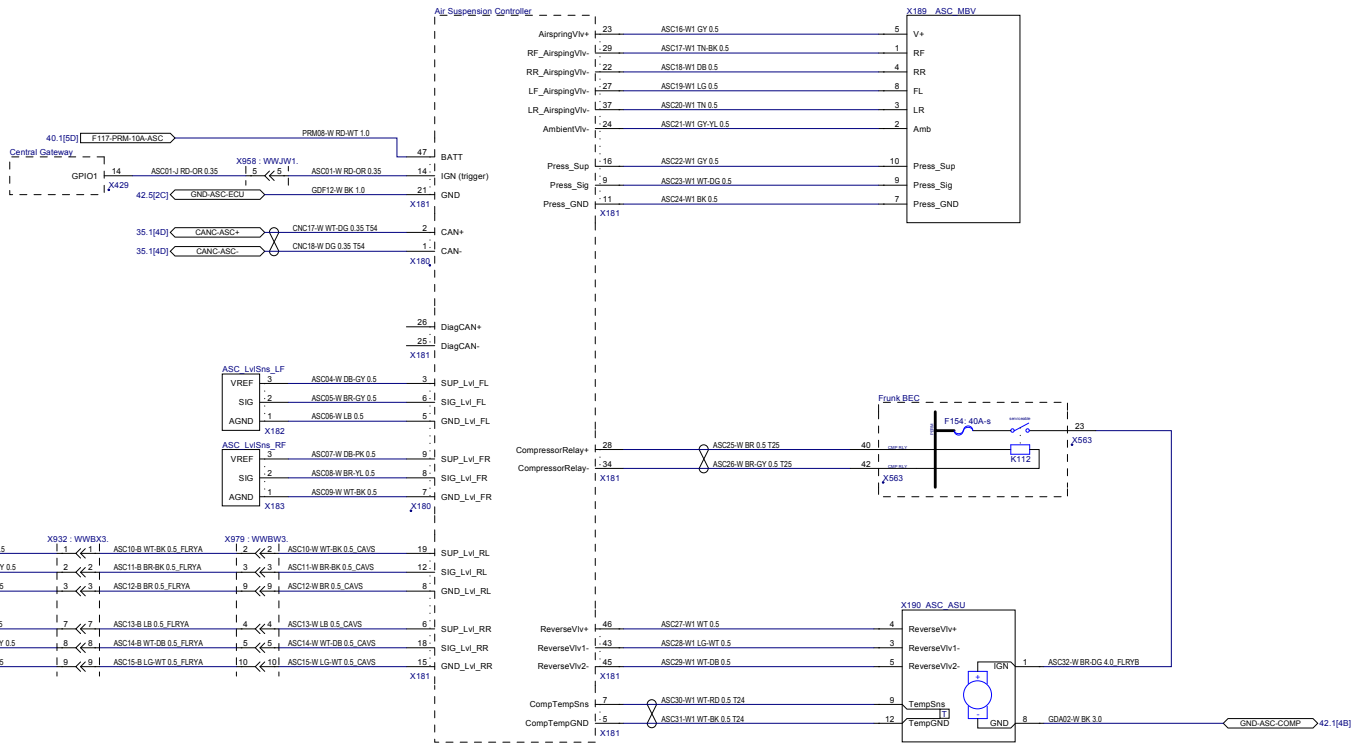
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PROJECT NAME: 2015 Model S Wiring: RHD	PHASE: SOP4
SHEET NAME: Steering Wheel Controls / Power Steering	
ITEM NO: 1004573-00-E	REVISION: 15
	DATE: 8/11/2015
DO NOT SCALE DRAWING	SHEET 10.1

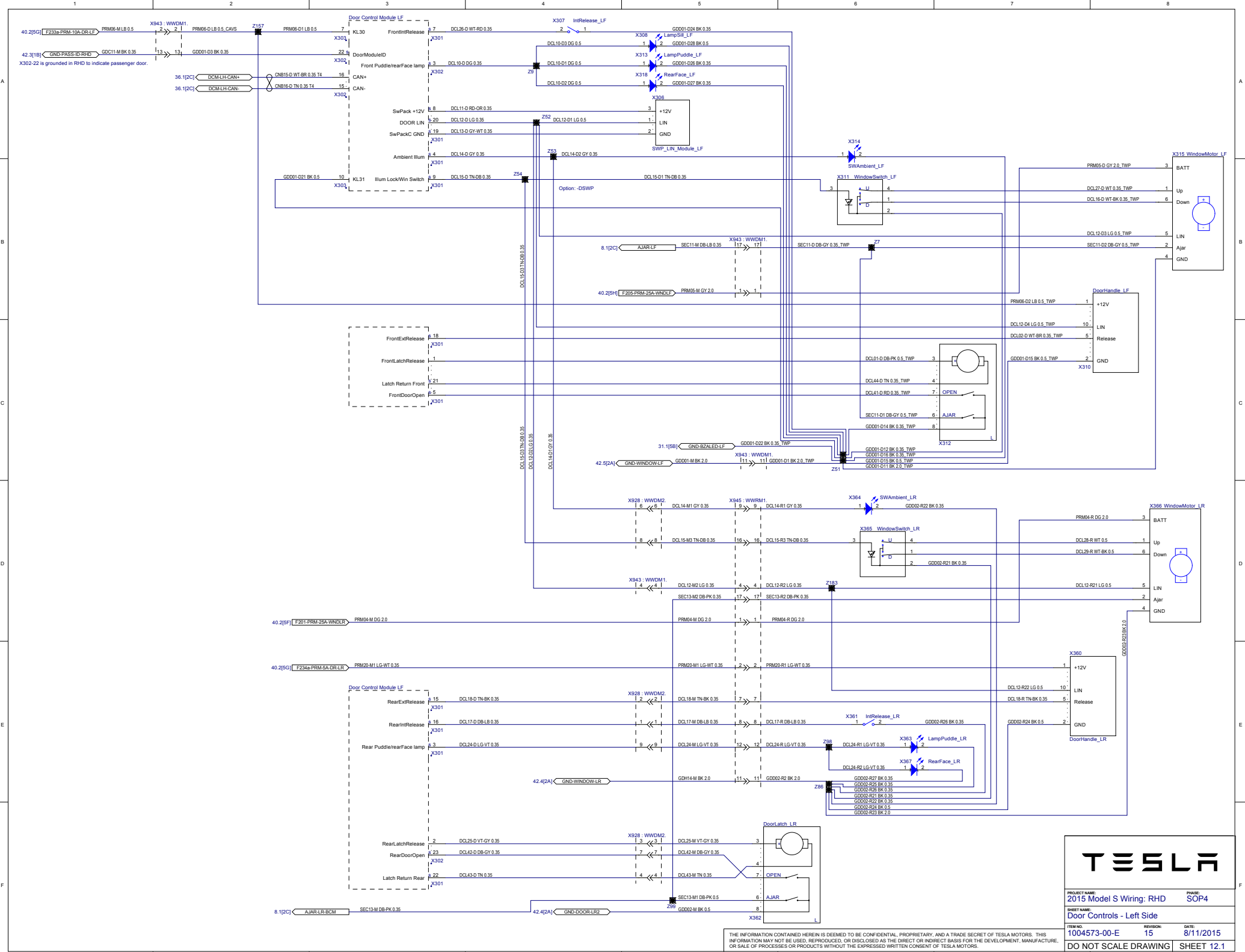
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TESLA

PROJECT NAME: 2015 Model S Wiring: RHD		PHASE: SOP4	
SHEET NAME: Chassis - Air Suspension Subsystem			
ITEM NO: 1004573-00-E	REVISION: 15	DATE: 8/11/2015	
DO NOT SCALE DRAWING		SHEET 11.1	

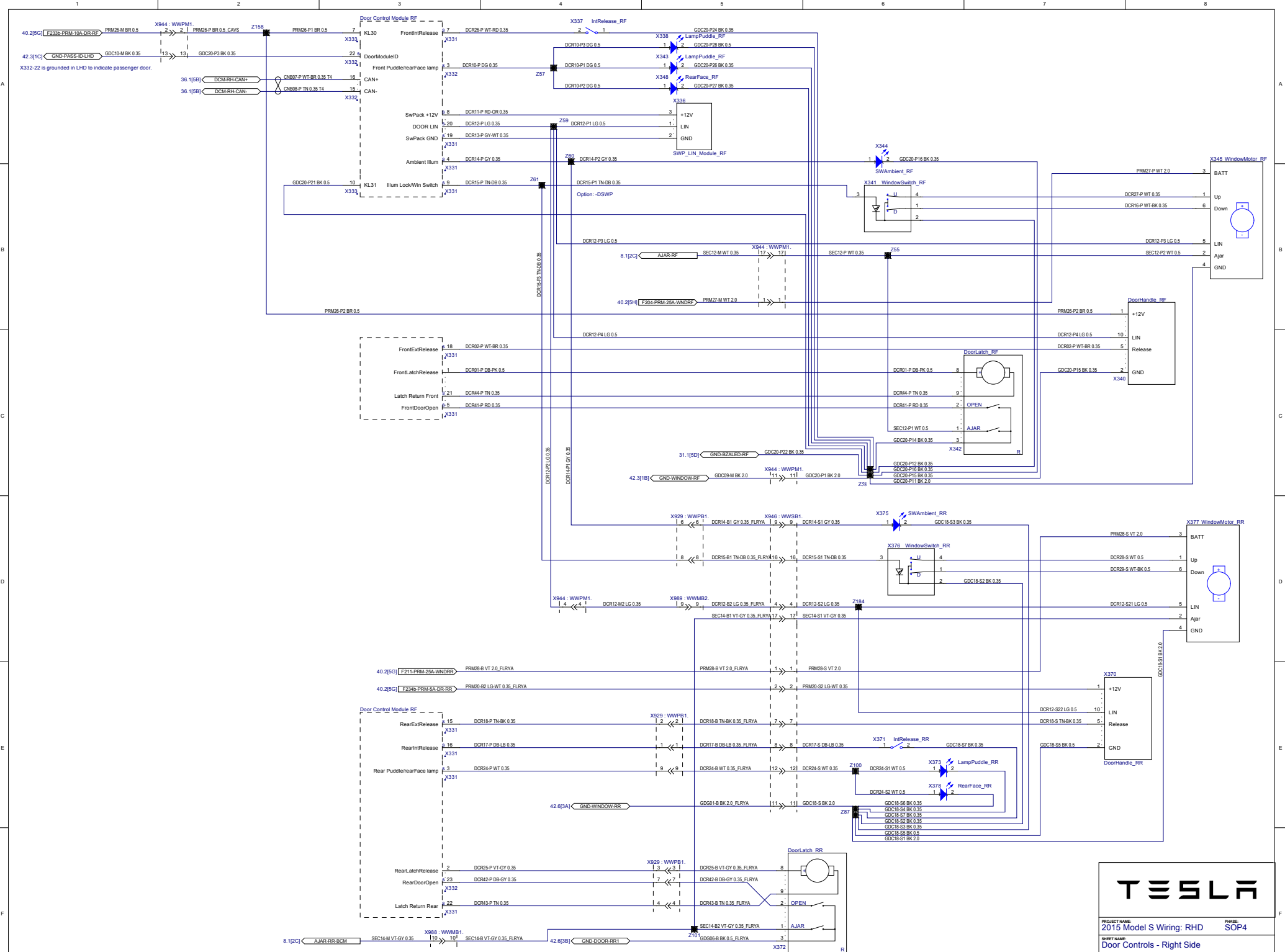
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TESLA

PROJECT NAME: 2015 Model S Wiring: RHD	PHASE: SOP4
SHEET NAME: Door Controls - Left Side	
ITEM NO: 1004573-00-E	REVISION: 15
DATE: 8/11/2015	
DO NOT SCALE DRAWING SHEET 12.1	

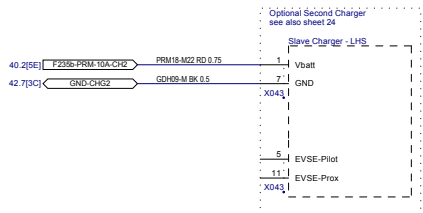
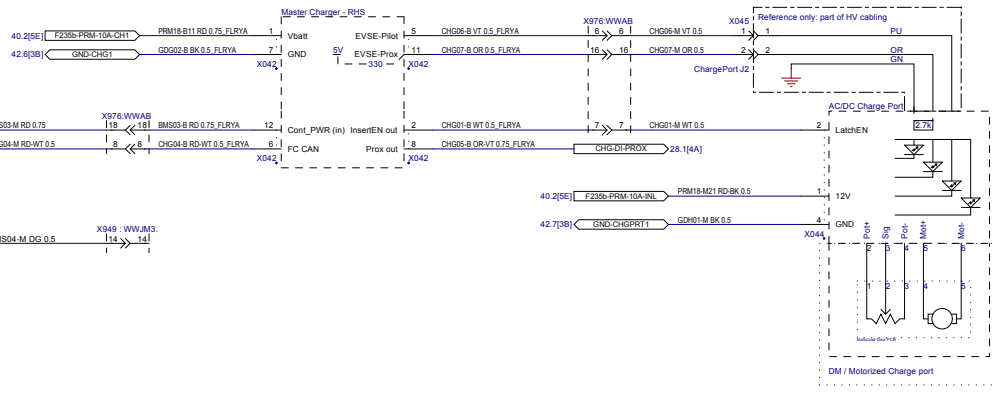
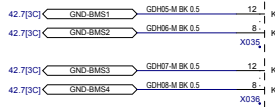
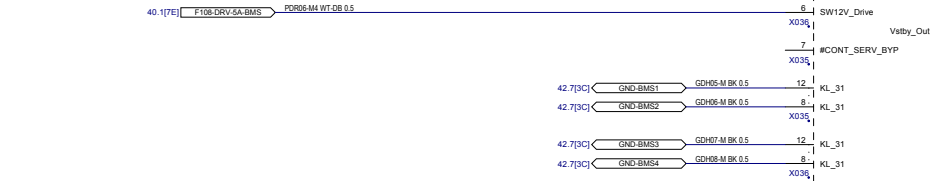
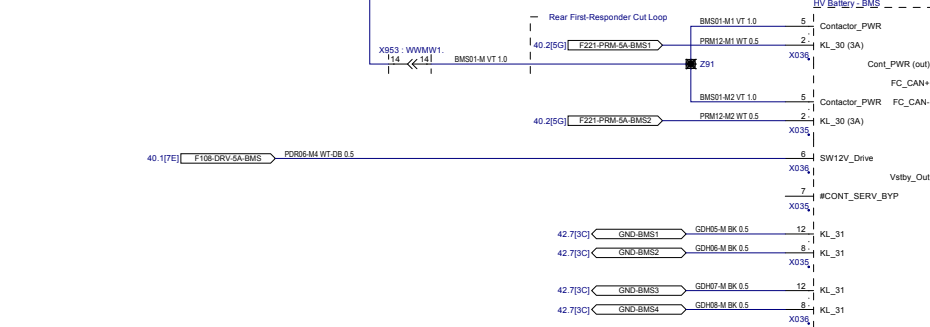
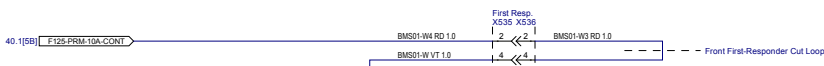
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TESLA

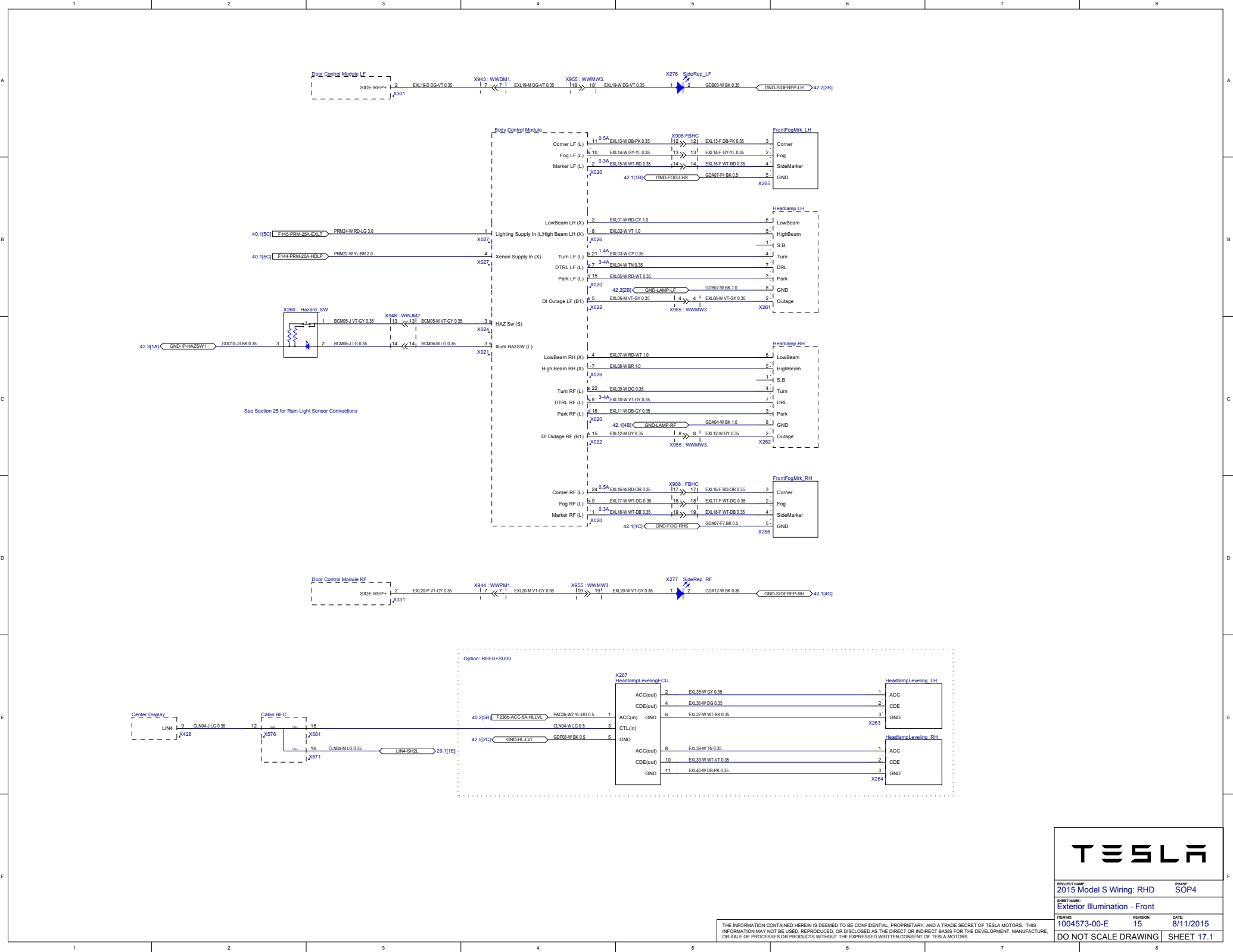
PROJECT NAME: 2015 Model S Wiring: RHD	PHASE: SOP4
SHEET NAME: Door Controls - Right Side	
ITEM NO: 1004573-00-E	REVISION: 15
DATE: 8/11/2015	
DO NOT SCALE DRAWING SHEET 14.1	

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PROJECT NAME: 2015 Model S Wiring: RHD	PHASE: SOP4
SHEET NAME: Energy System - Charger Logic Connections	
ITEM NO: 1004573-00-E	REVISION: 15
DATE: 8/11/2015	
DO NOT SCALE DRAWING	
SHEET 16.1	

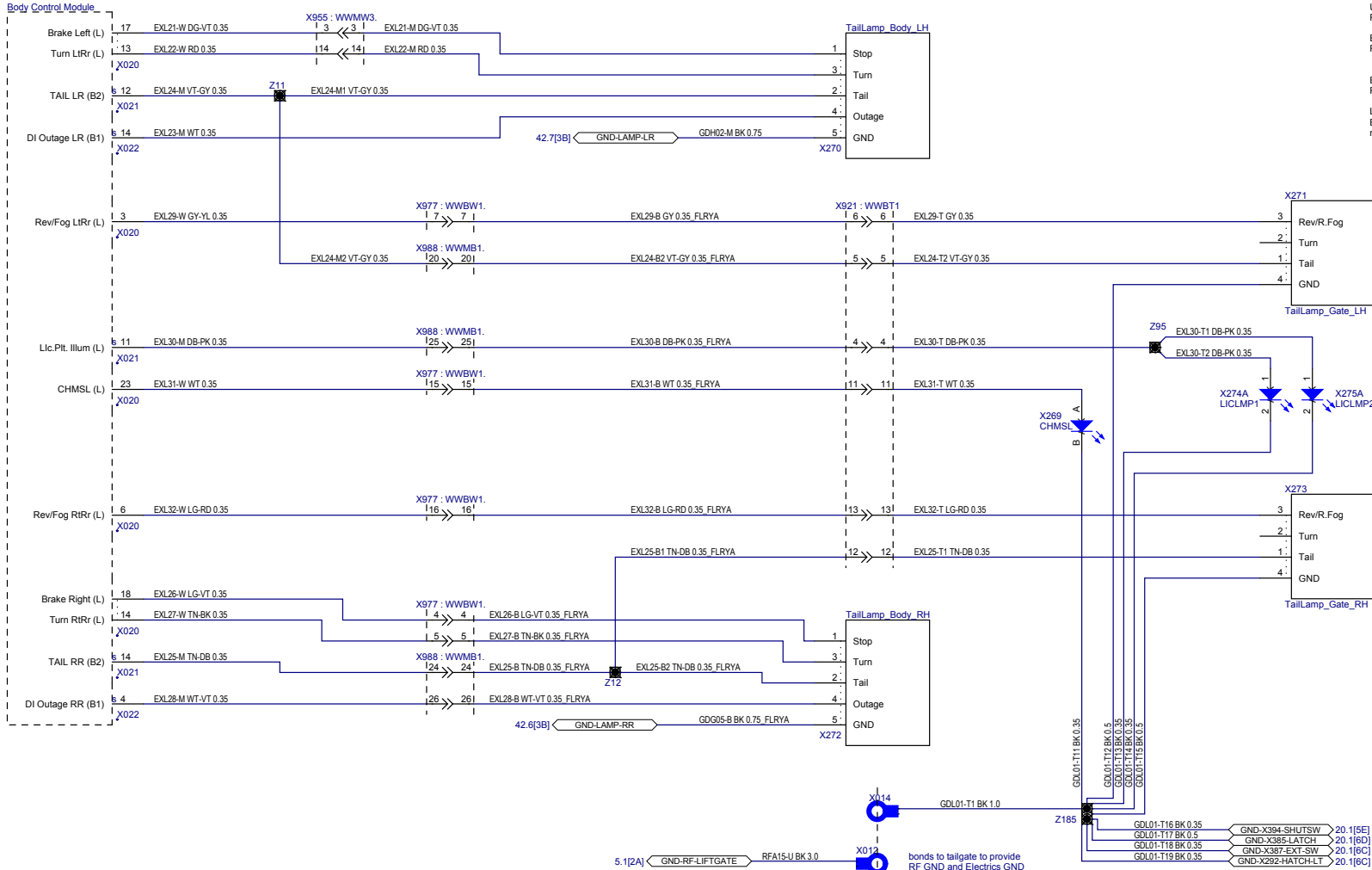
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TESLA

PROJECT NAME: 2015 Model S Wiring: RHD PHASE: SOP4
 SHEET NAME: Exterior Illumination - Front
 ITEM NO: 1004573-00-E REVISION: 15 DATE: 8/11/2015
 DO NOT SCALE DRAWING SHEET 17.1

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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.

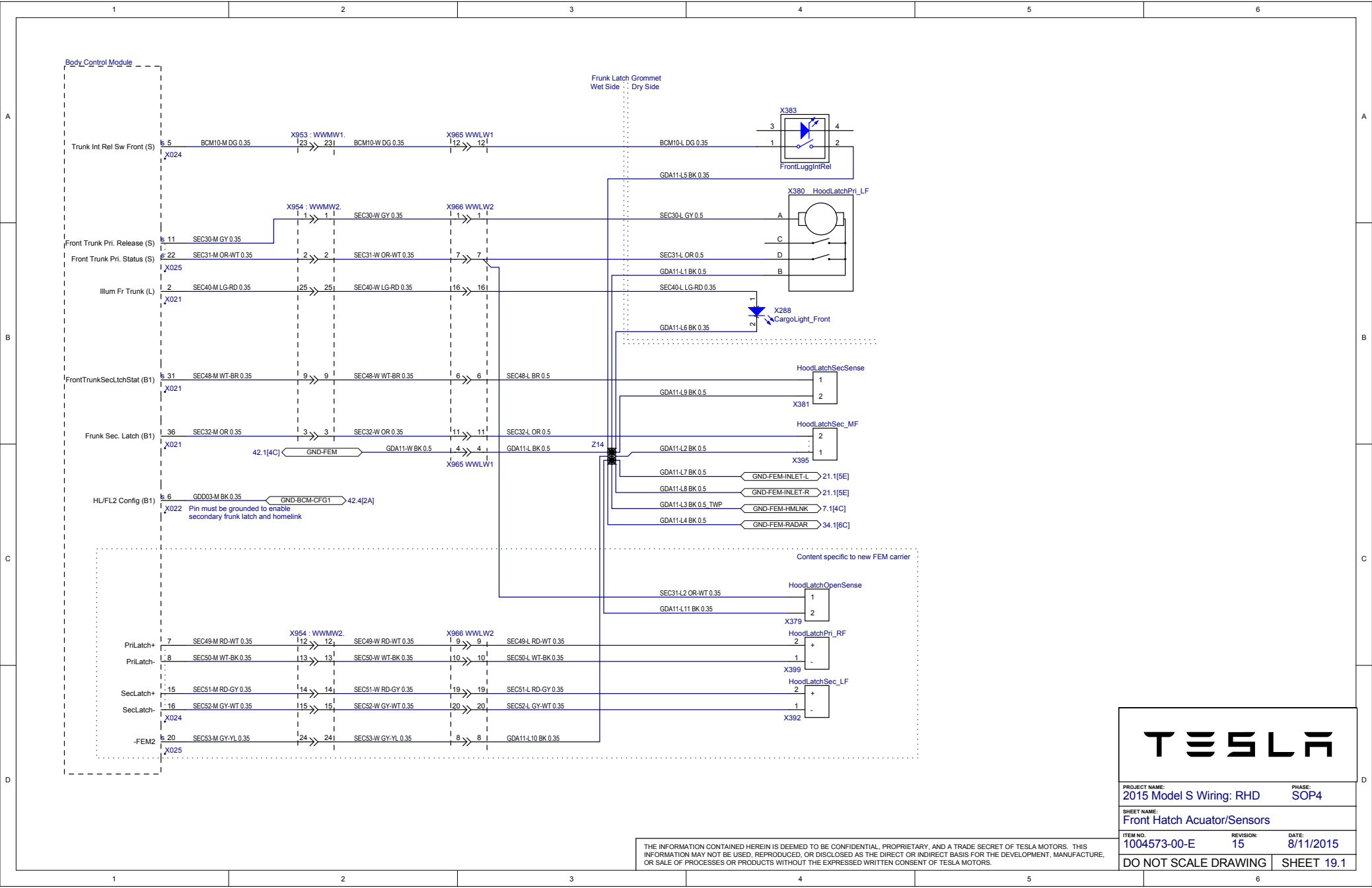
EU, RHD
 Rev/R.Fog element is a reverse lamp on left, and fog lamp on right.

Lamp configurations are controlled by lamp assembly.
 Body controls software manages the specific electrical behavior on a market basis.



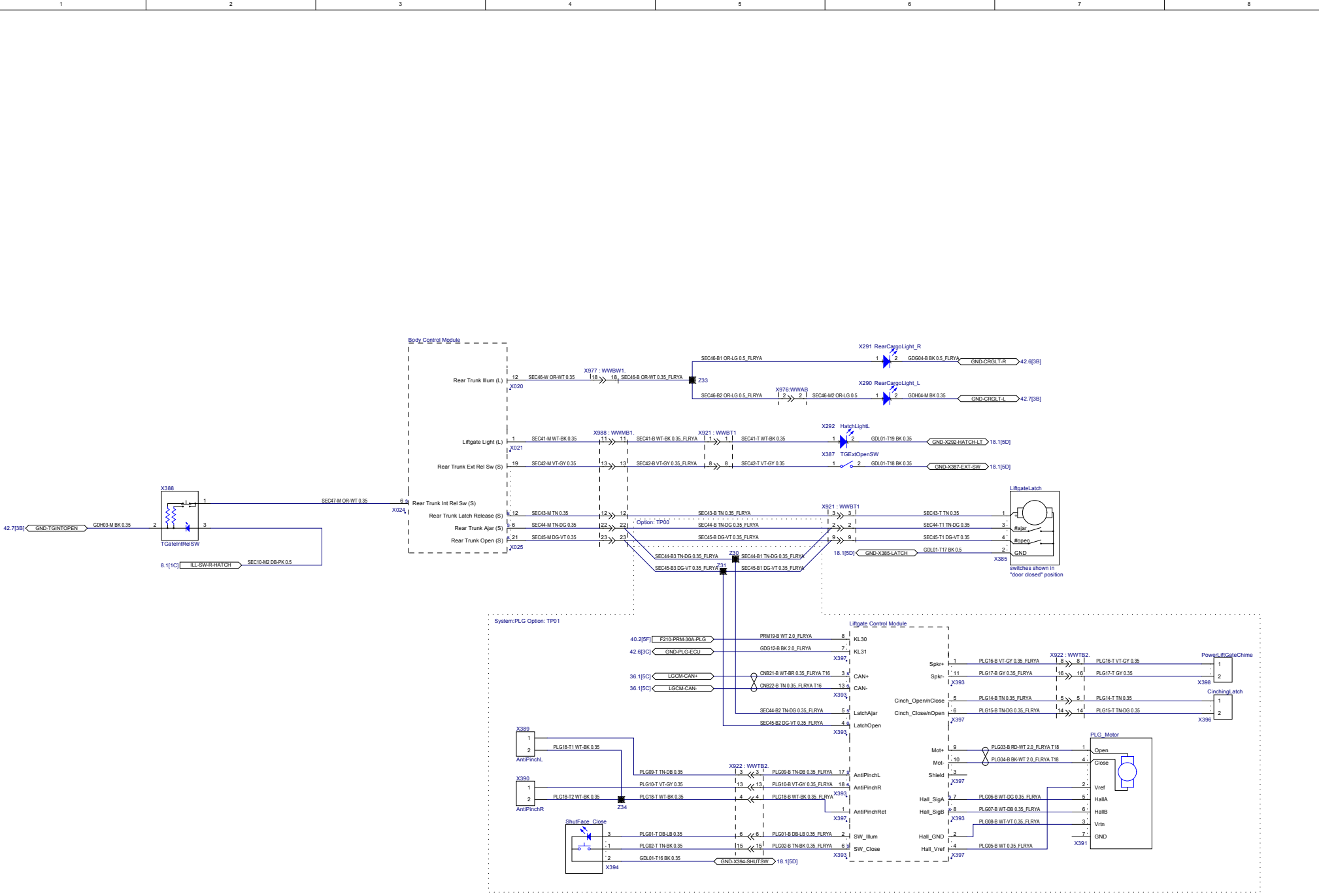
PROJECT NAME: 2015 Model S Wiring: RHD	PHASE: SOP4
SHEET NAME: Exterior Illumination - Rear	
ITEM NO: 1004573-00-E	DATE: 8/11/2015
REVISION: 15	DATE: 8/11/2015
DO NOT SCALE DRAWING	SHEET 18.1

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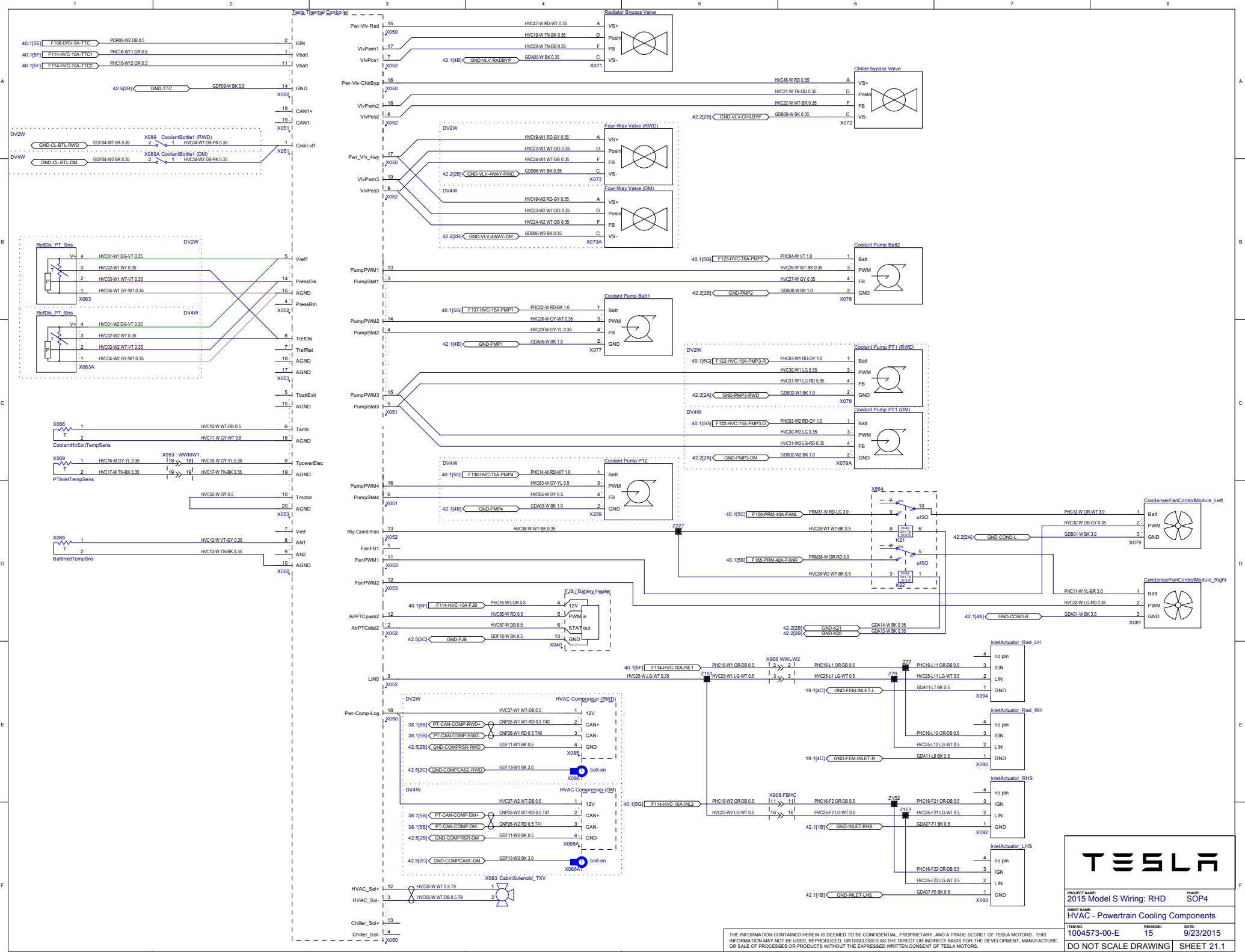
PROJECT NAME: 2015 Model S Wiring: RHD	PHASE: SOP4
SHEET NAME: Front Hatch Acuator/Sensors	
ITEM NO: 1004573-00-E	REVISION: 15
DATE: 8/11/2015	
DO NOT SCALE DRAWING	SHEET 19.1

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PROJECT NAME: 2015 Model S Wiring: RHD	PHASE: SOP4
SHEET NAME: Rear Hatch Acuator/Sensors + Liftgate Opt.	
ITEM NO: 1004573-00-E	REVISION: 15
DATE: 8/11/2015	
DO NOT SCALE DRAWING SHEET 20.1	

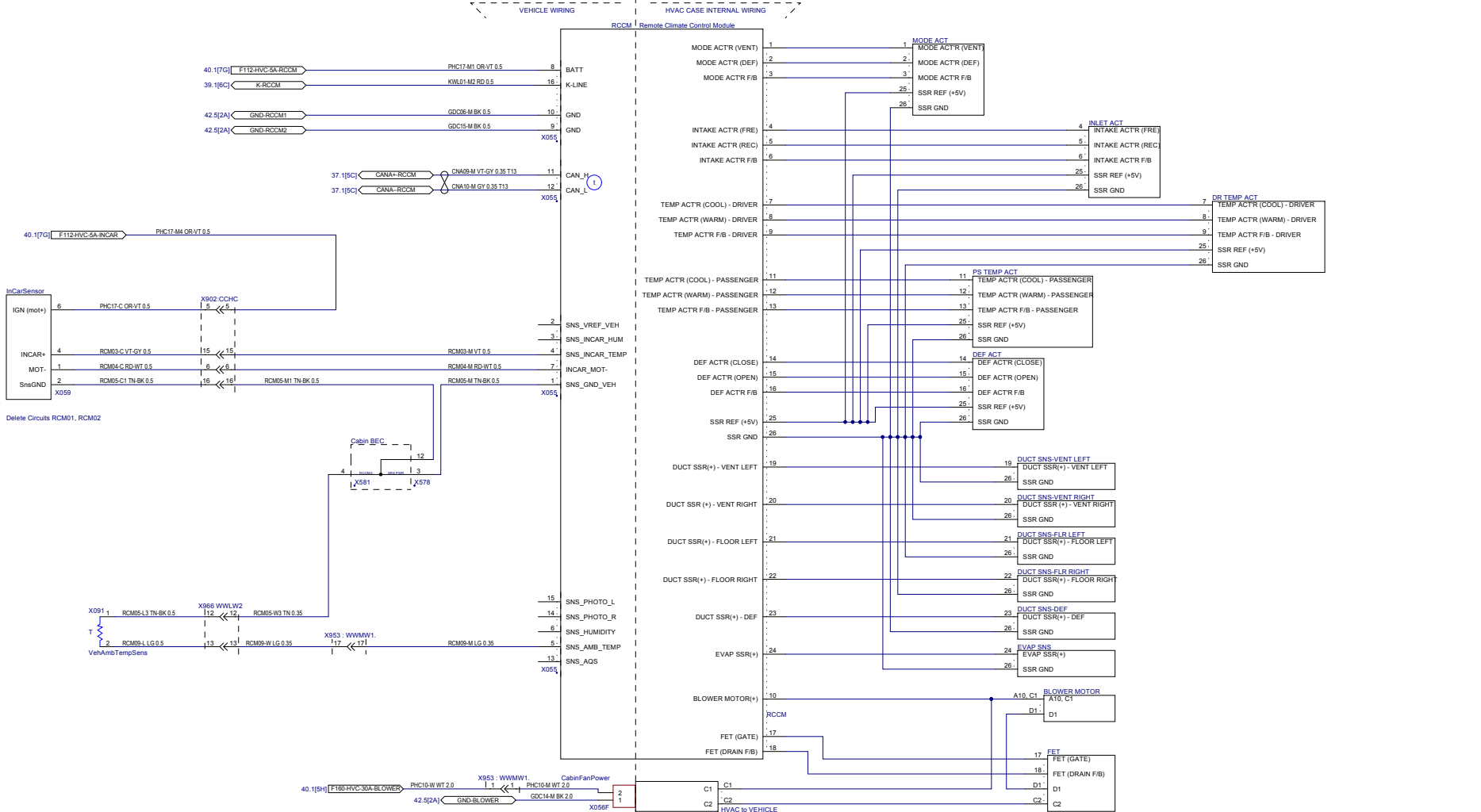
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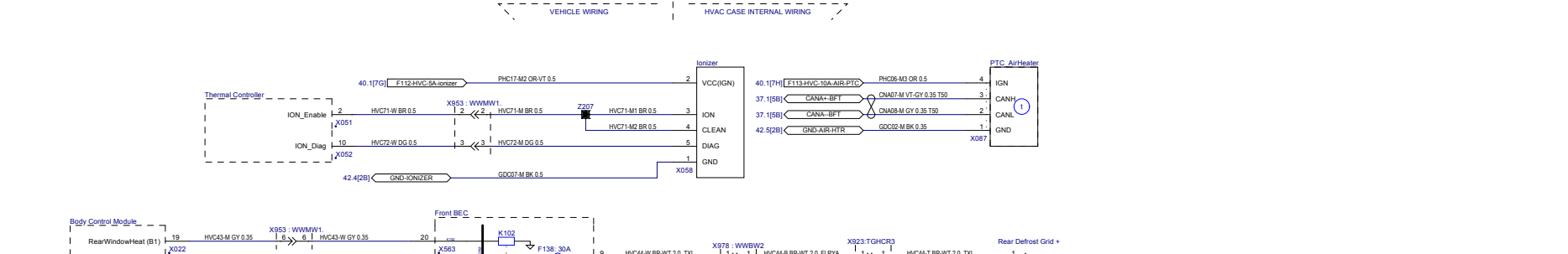
TESLA

PROJECT NAME: 2015 Model S Wiring: RHD	PHASE: SOP4
SHEET NAME: HVAC - Powertrain Cooling Components	
ITEM NO: 1004573-00-E	REVISION: 15
DATE: 9/23/2015	
DO NOT SCALE DRAWING SHEET 21.1	

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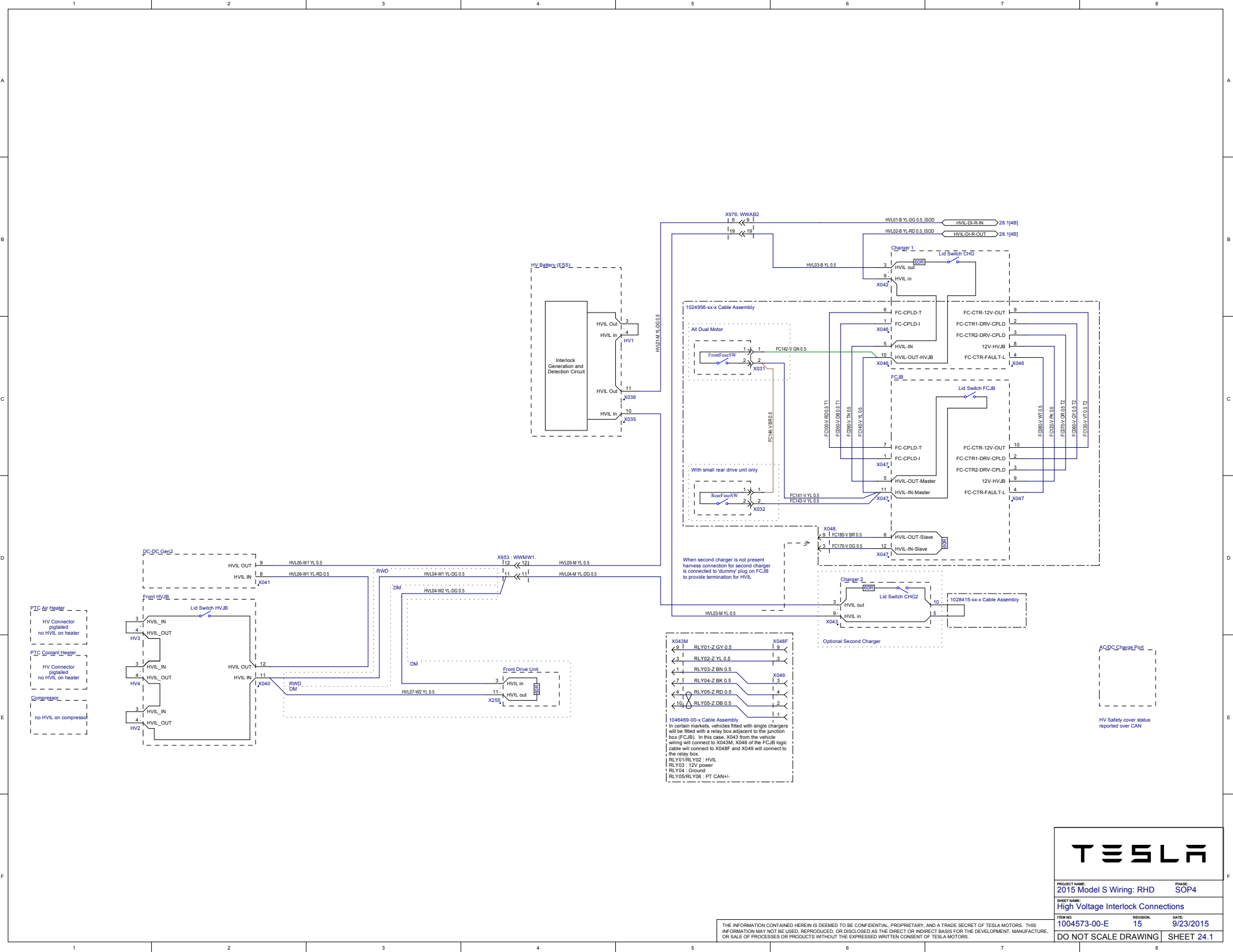
WARNING: pin numbering not consistent at blower connection



TESLA

PROJECT NAME: 2015 Model S Wiring: RHD PHASE: SOP4
 SHEET NAME: HVAC - Cabin Climate Controls, Rear Defrost
 ITEM NO: 1004573-00-E REVISION: 15 DATE: 8/11/2015
 DO NOT SCALE DRAWING SHEET 22.3

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- PIC Air Heater
HV Connector pigtailed
no HVIL on heater
- PIC Coolant Heater
HV Connector pigtailed
no HVIL on heater
- Compressor
no HVIL on compressor

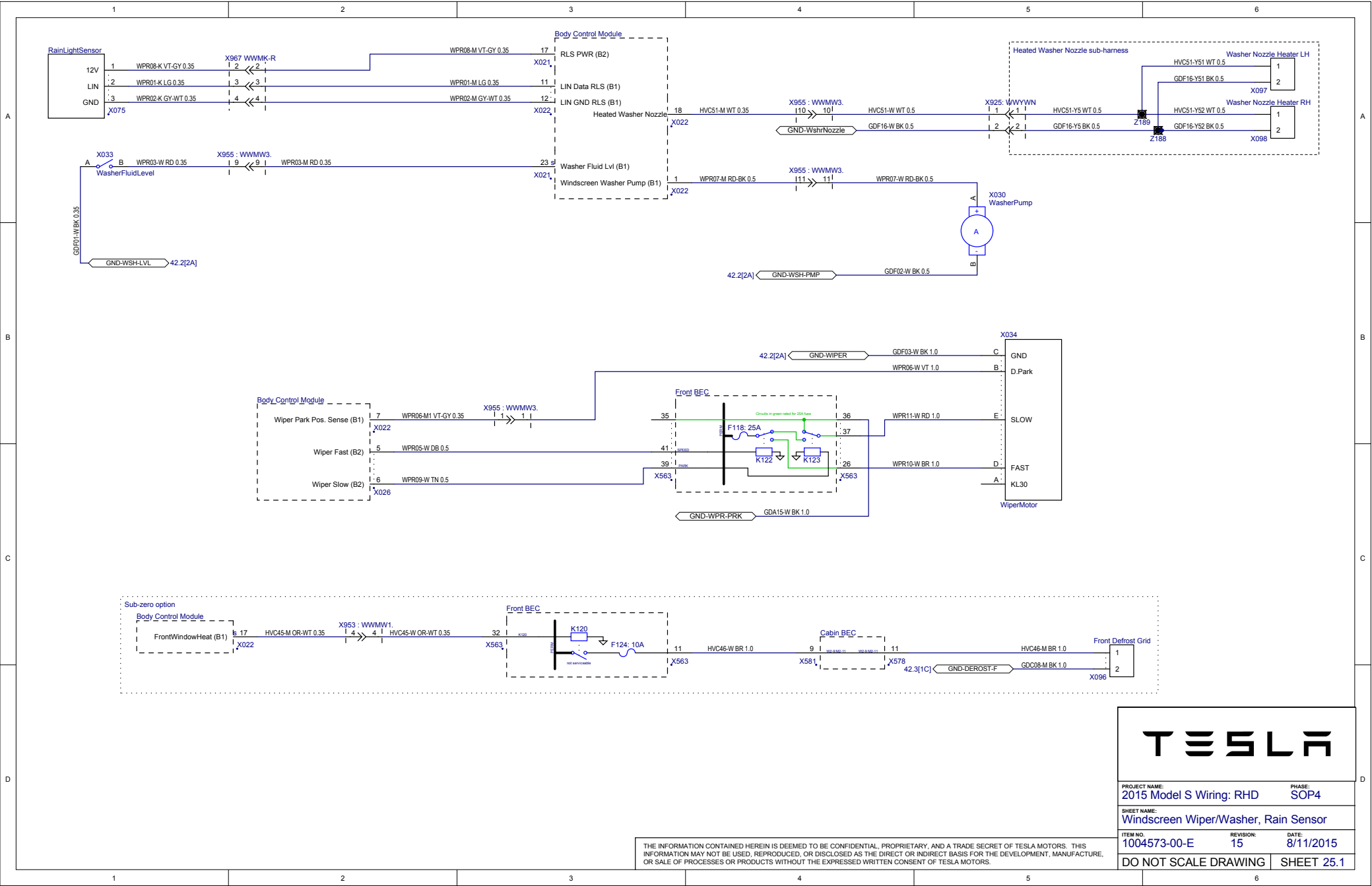
- 1045469-00-x Cable Assembly
In certain markets, vehicles fitted with single chargers will be fitted with a relay box adjacent to the junction box (FCJB). In this case, X043 from the vehicle wiring will connect to X043M. X048 of the FCJB logic cable will connect to X048F and X049 will connect to the relay box.
- RLY01/RLY02: HVIL
 - RLY03: 12V power
 - RLY04: Ground
 - RLY05/RLY06: PT CAN+/-

TESLA

PROJECT NAME: 2015 Model S Wiring: RHD	PHASE: SOP4
SHEET NAME: High Voltage Interlock Connections	
ITEM NO: 1004573-00-E	REVISION: 15
DATE: 9/23/2015	
DO NOT SCALE DRAWING SHEET 24.1	

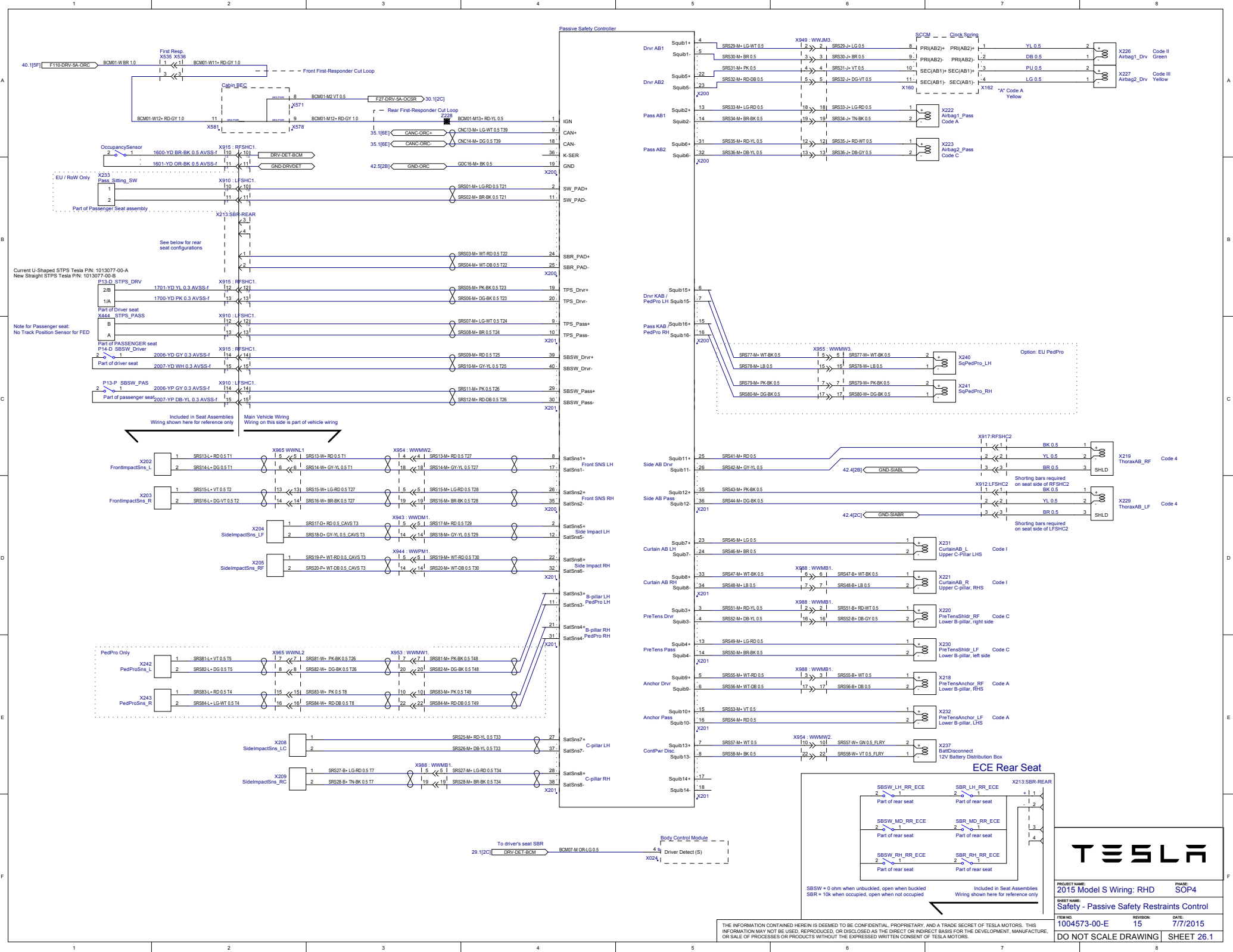
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HV Safety cover status reported over CAN



PROJECT NAME: 2015 Model S Wiring: RHD	PHASE: SOP4
SHEET NAME: Windscreen Wiper/Washer, Rain Sensor	
ITEM NO: 1004573-00-E	REVISION: 15
	DATE: 8/11/2015
DO NOT SCALE DRAWING	SHEET 25.1

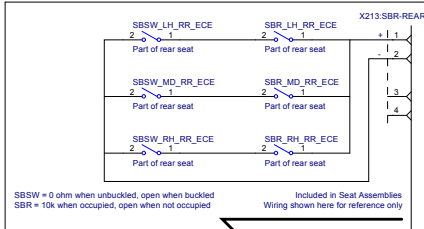
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TESLA

PROJECT NAME: 2015 Model S Wiring: RHD
 SHEET NAME: Safety - Passive Safety Restraints Control
 ITEM NO: 1004573-00-E
 REVISION: 15
 PHASE: SOP4
 DATE: 7/7/2015

DO NOT SCALE DRAWING SHEET 26.1



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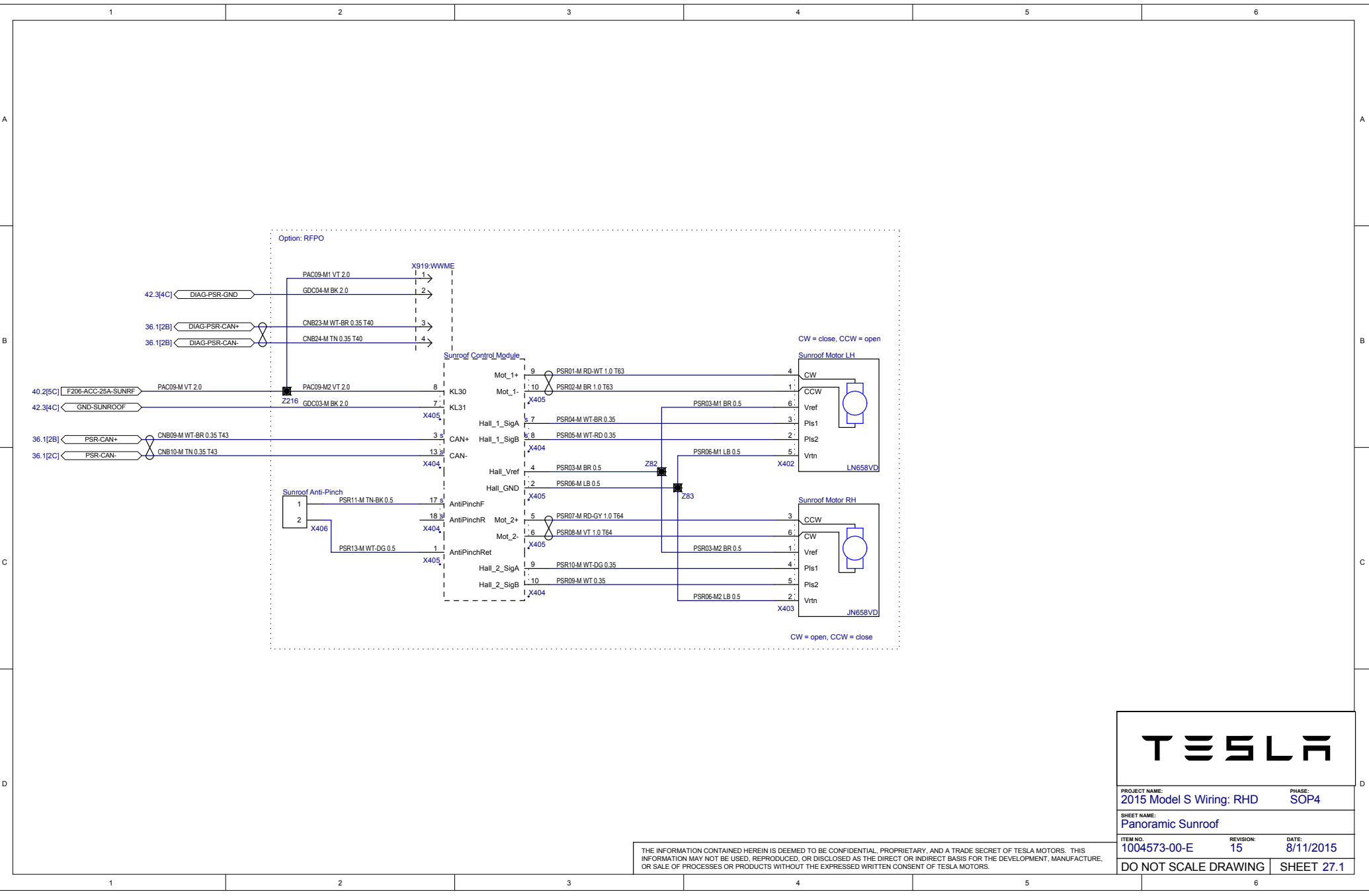
PROJECT NAME: 2015 Model S Wiring: RHD PHASE: SOP4

SHEET NAME: Panoramic Sunroof

ITEM NO: 1004573-00-E REVISION: 15 DATE: 8/11/2015

DO NOT SCALE DRAWING SHEET 27.1

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1 2 3 4 5 6

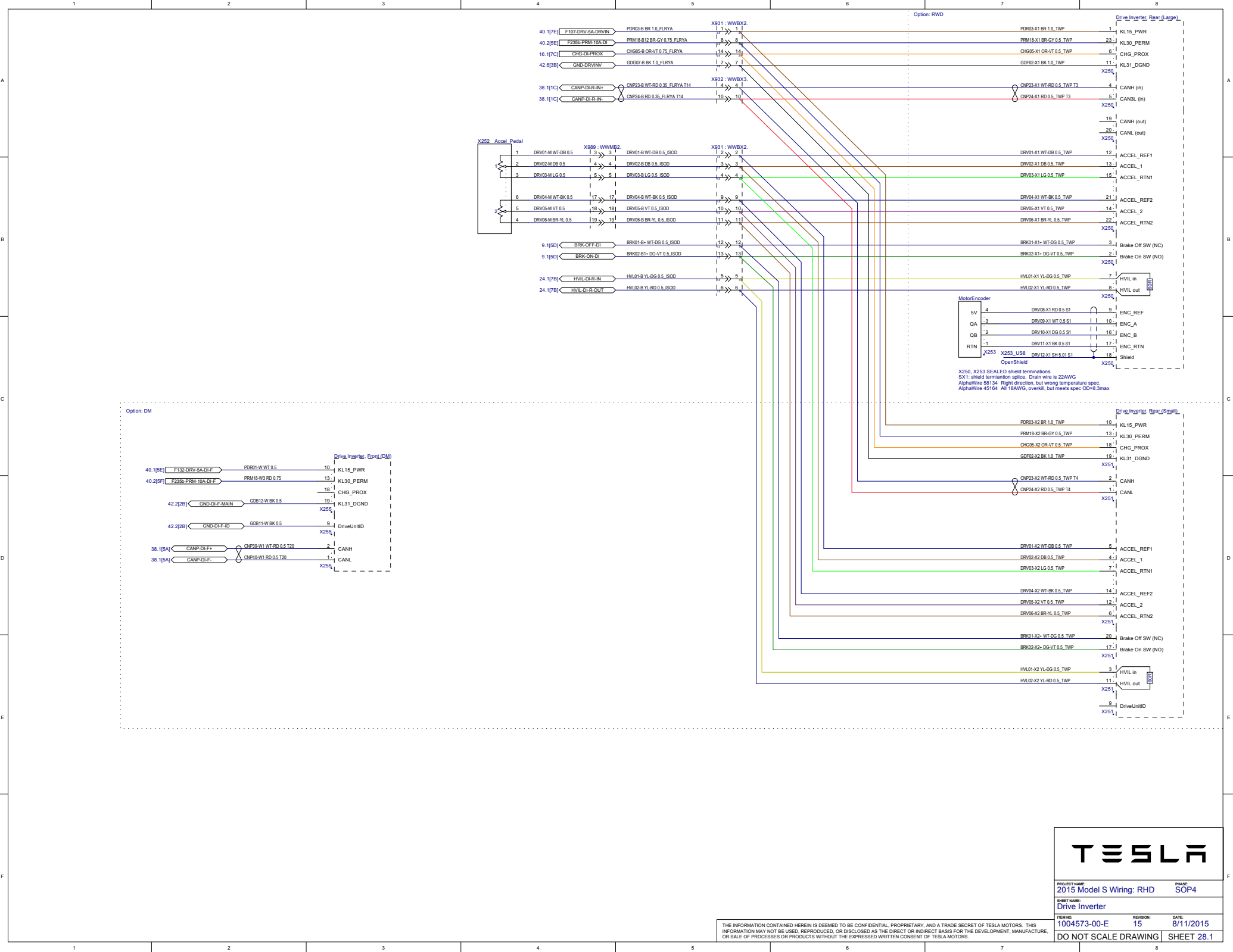
A

B

C

D

1 2 3 4 5 6



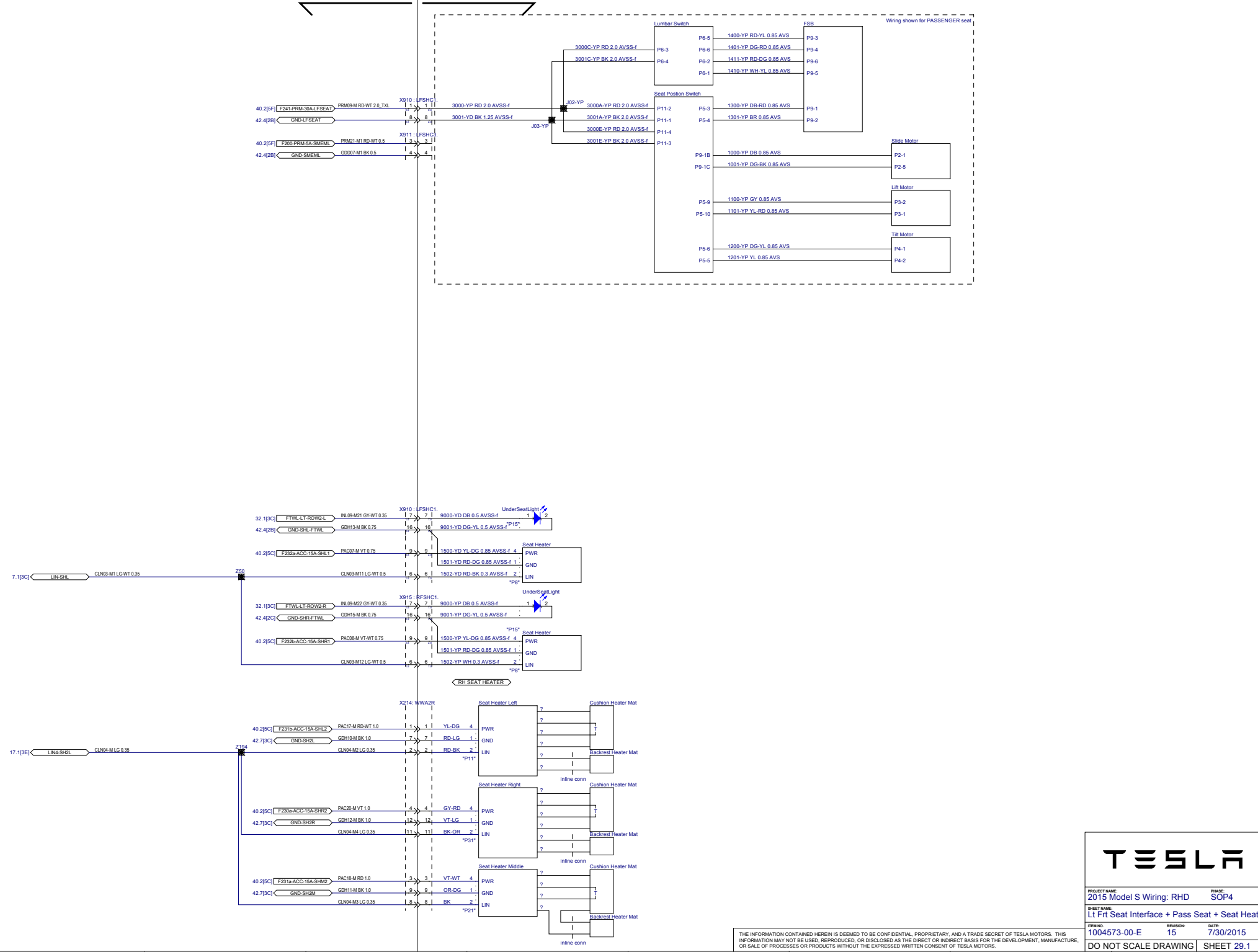
TESLA

PROJECT NAME: 2015 Model S Wiring: RHD		PHASE: SOP4	
SHEET NAME: Drive Inverter			
ITEM NO: 1004573-00-E	REVISION: 15	DATE: 8/11/2015	
DO NOT SCALE DRAWING		SHEET 28.1	

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

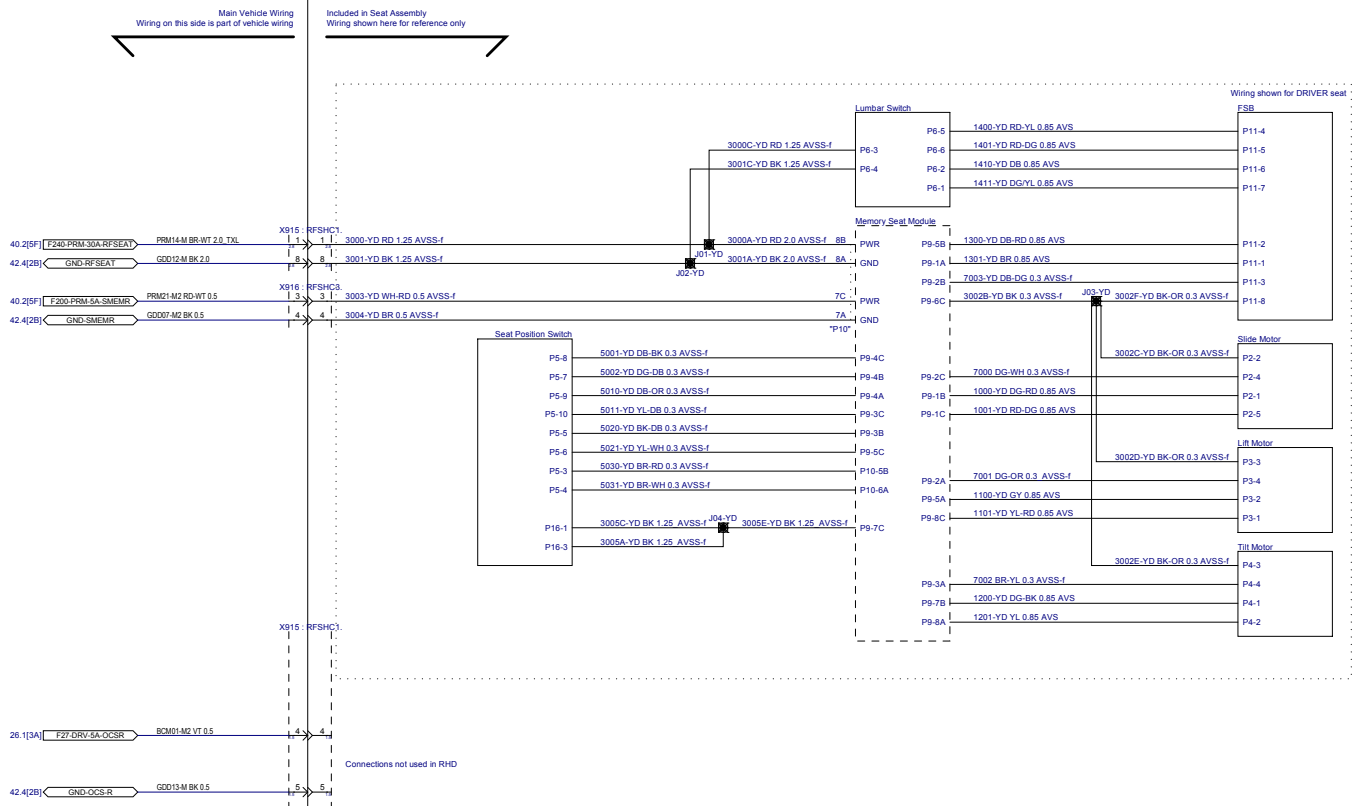
Included in Seat Assembly
Wiring shown here for reference only



TESLA

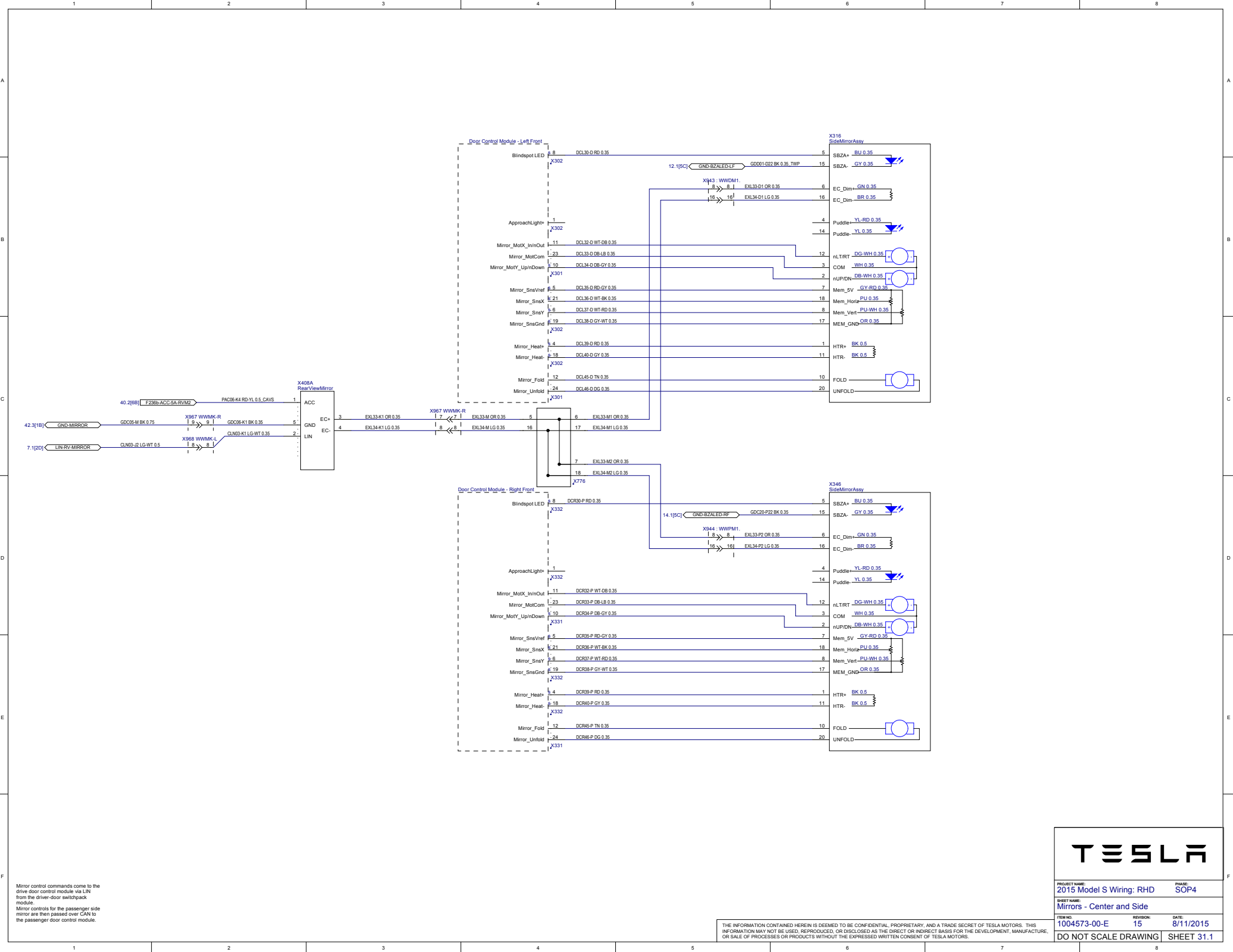
PROJECT NAME: 2015 Model S Wiring: RHD	PHASE: SOP4
SHEET NAME: Lt Frt Seat Interface + Pass Seat + Seat Heat	
ITEM NO: 1004573-00-E	REVISION: 15
DATE: 7/30/2015	
DO NOT SCALE DRAWING SHEET 29.1	

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PROJECT NAME: 2015 Model S Wiring: RHD	PHASE: SOP4
SHEET NAME: Rt Frt Seat Vehicle Conn + Drvr. Seat	
ITEM NO: 1004573-00-E	REVISION: 15
DATE: 8/11/2015	
DO NOT SCALE DRAWING	
SHEET 30.1	

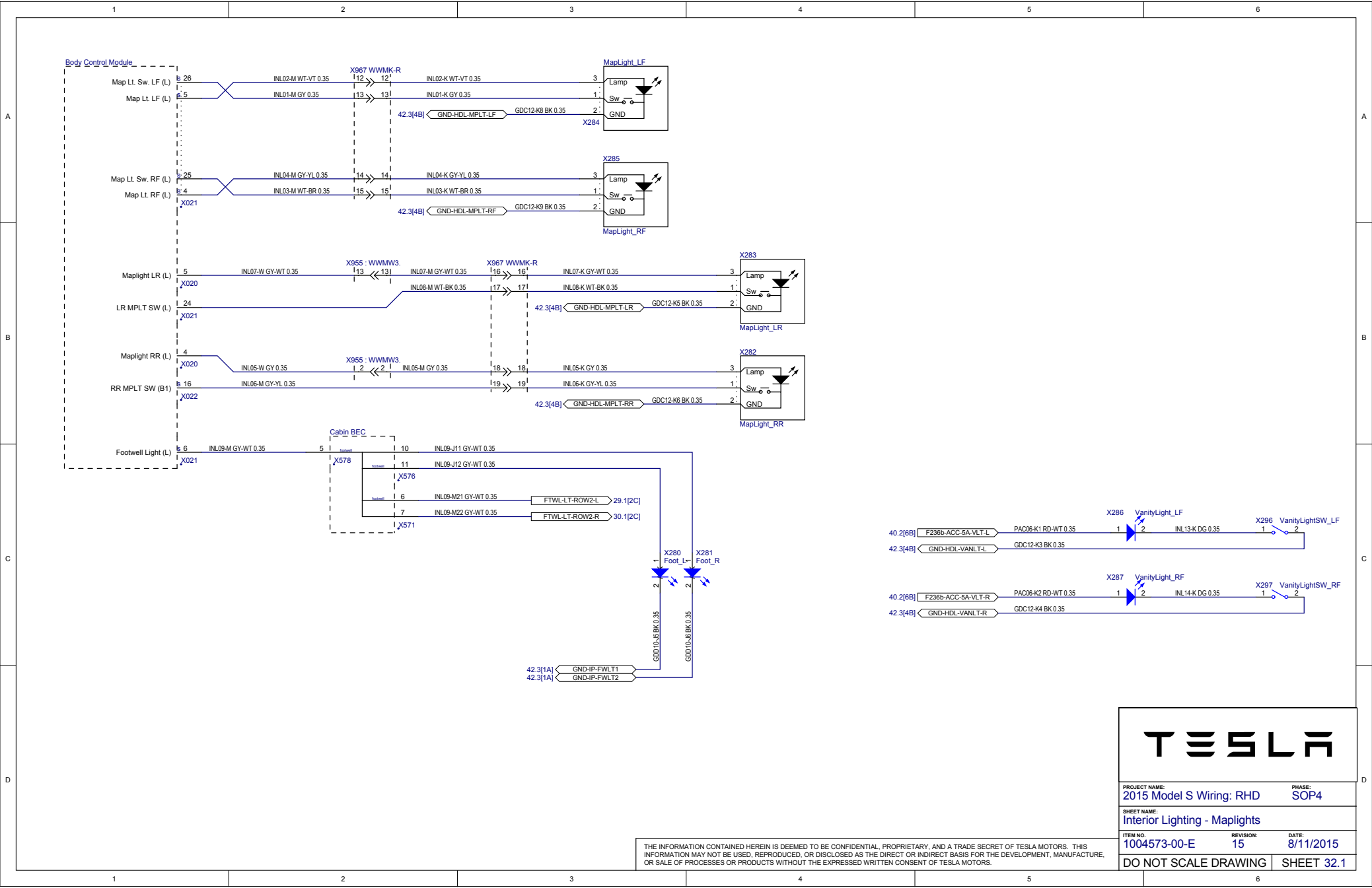
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT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



Mirror 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.

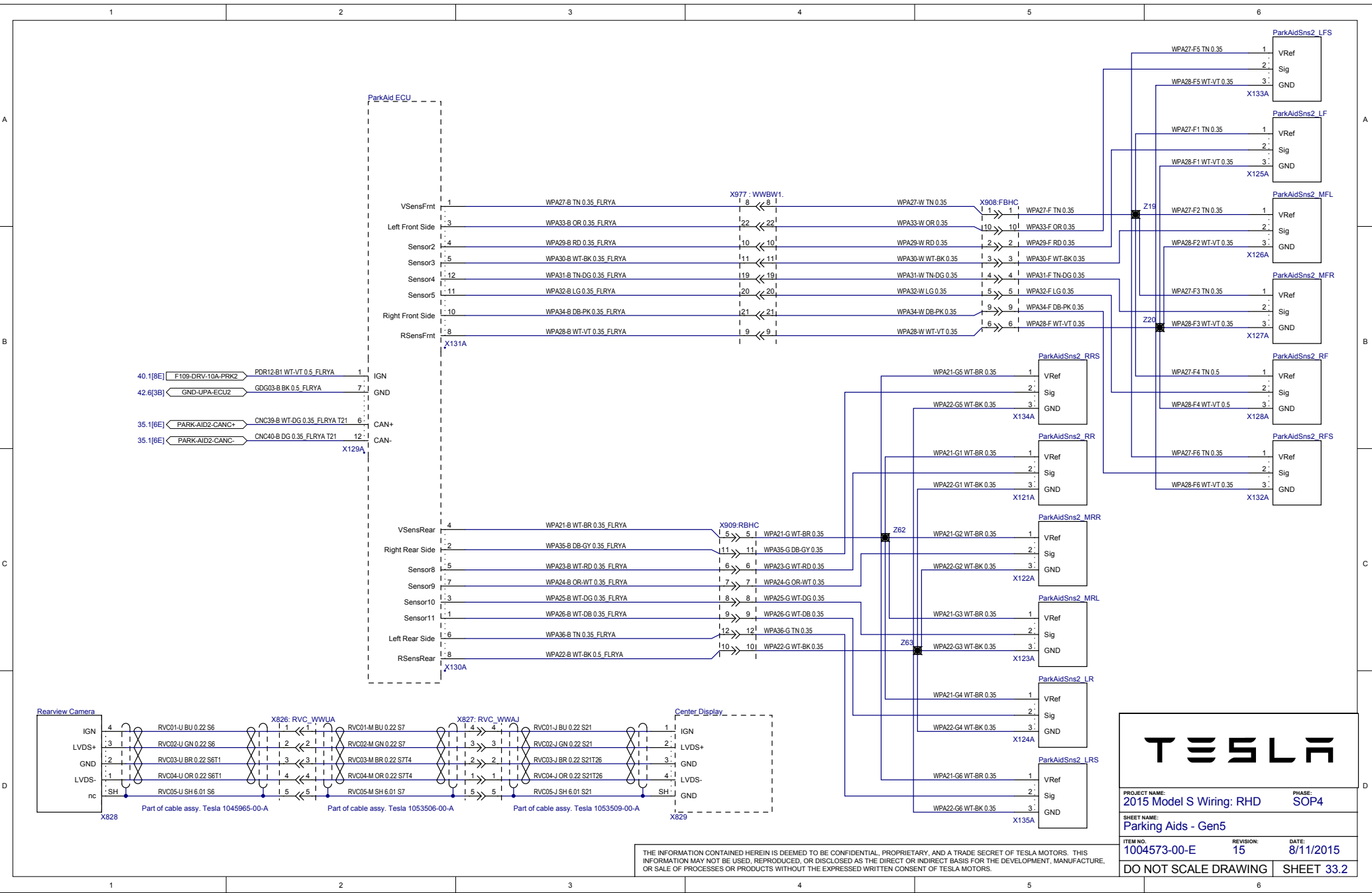
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT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

TESLA	
PROJECT NAME: 2015 Model S Wiring: RHD	PHASE: SOP4
SHEET NAME: Mirrors - Center and Side	
ITEM NO: 1004573-00-E	REVISION: 15
	DATE: 8/11/2015
DO NOT SCALE DRAWING SHEET 31.1	




PROJECT NAME: 2015 Model S Wiring: RHD		PHASE: SOP4
SHEET NAME: Interior Lighting - Maplights		
ITEM NO: 1004573-00-E	REVISION: 15	DATE: 8/11/2015
DO NOT SCALE DRAWING		SHEET 32.1

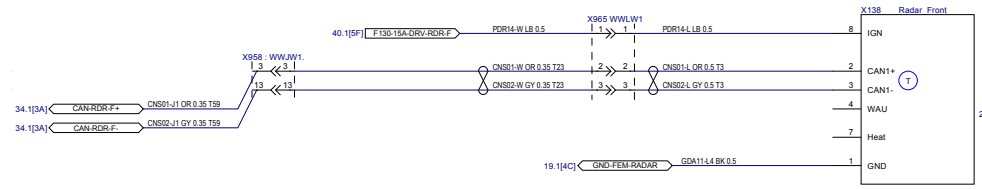
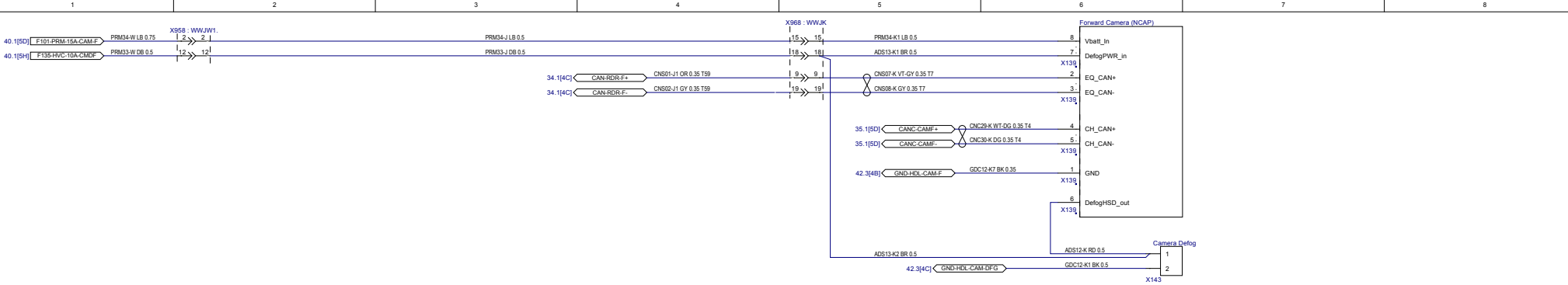
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT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



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PROJECT NAME: 2015 Model S Wiring: RHD	PHASE: SOP4
SHEET NAME: Parking Aids - Gen5	
ITEM NO: 1004573-00-E	REVISION: 15
DATE: 8/11/2015	
DO NOT SCALE DRAWING	SHEET 33.2

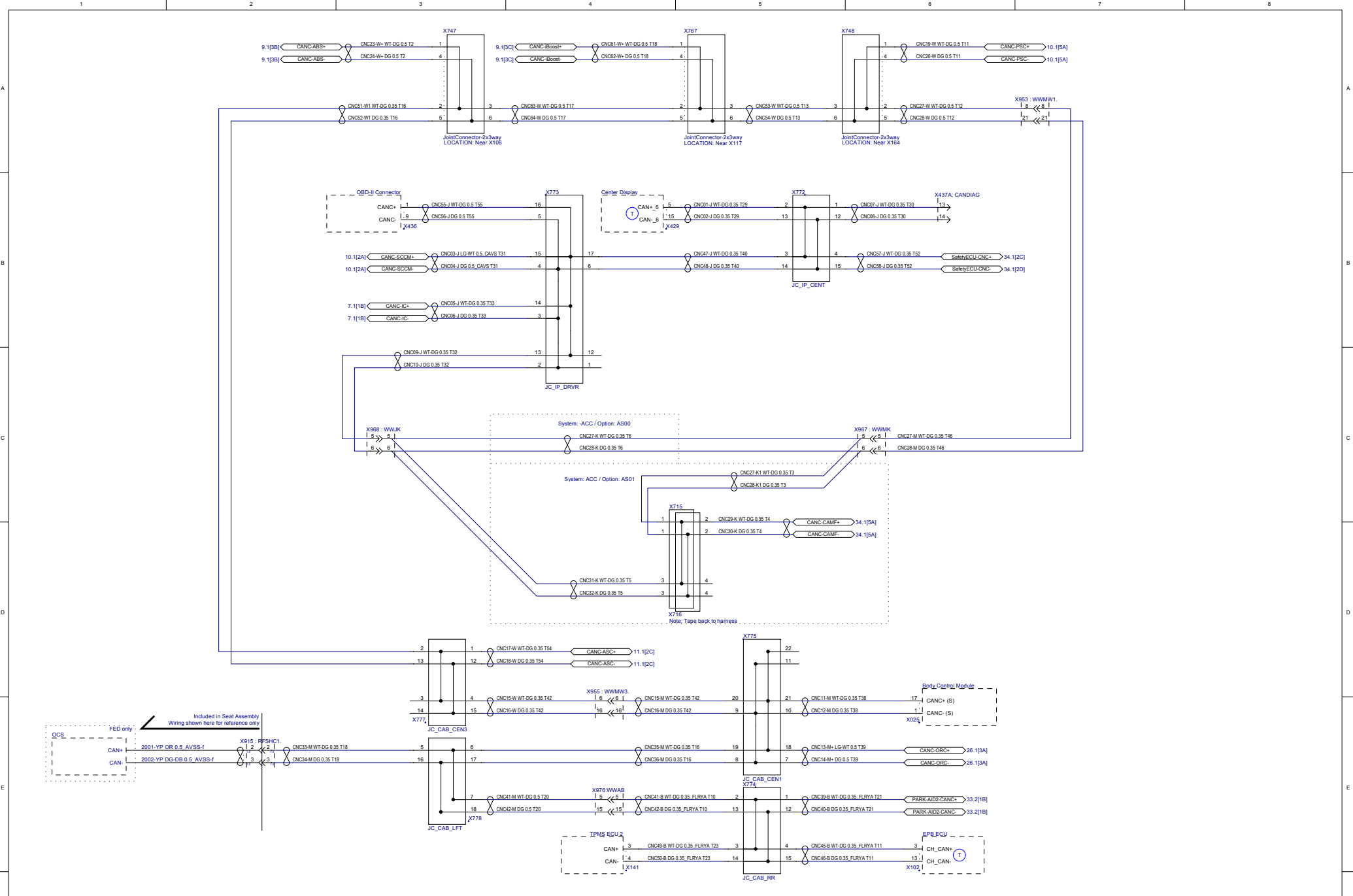


2.3A steady state



PROJECT NAME: 2015 Model S Wiring: RHD	PHASE: SOP4
SHEET NAME: Safety - Driver Assist, Blind Spot, NCAP	
ITEM NO: 1004573-00-E	REVISION: 15
	DATE: 8/11/2015
DO NOT SCALE DRAWING	
SHEET 34.1	

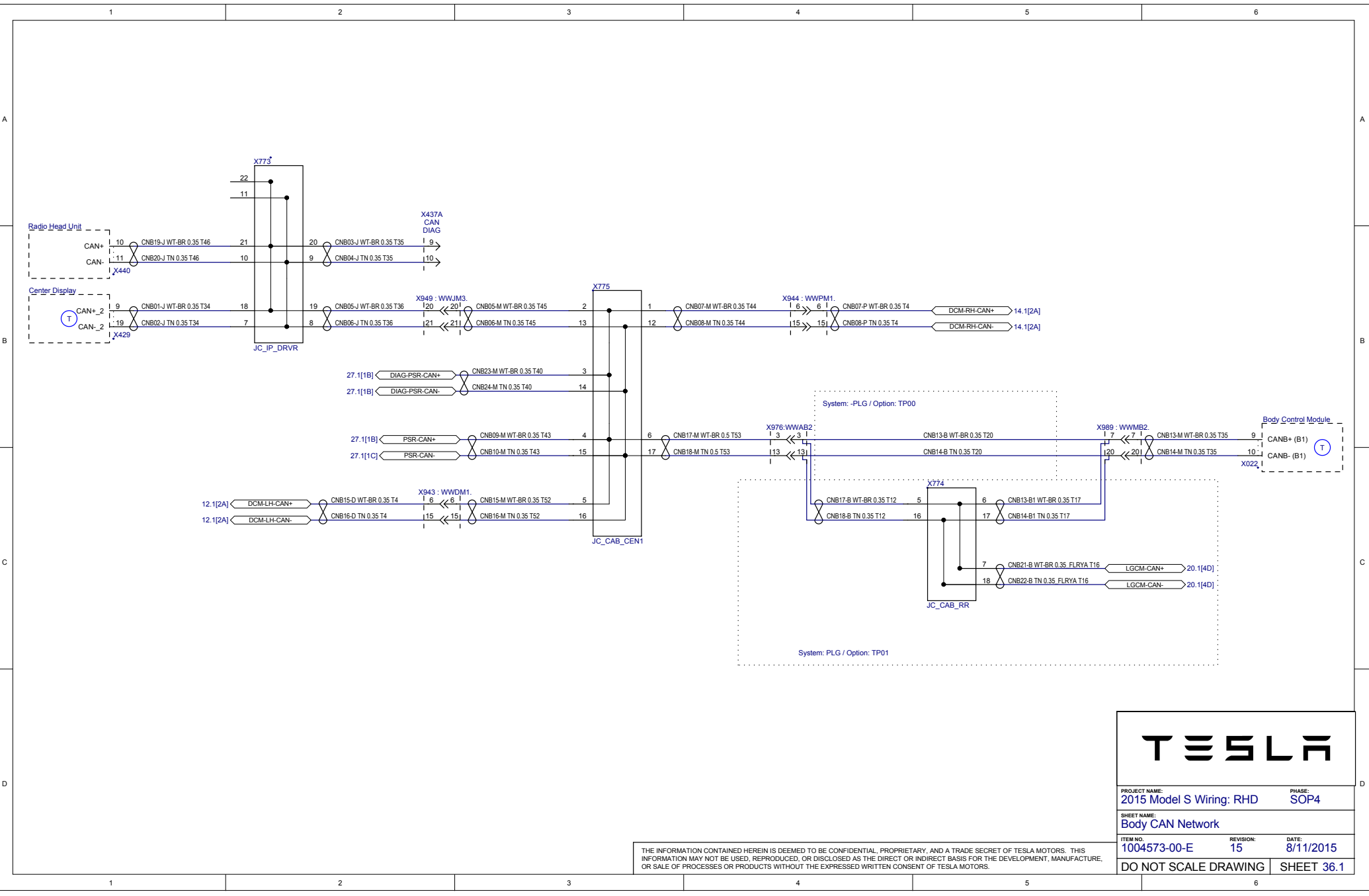
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT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



TESLA

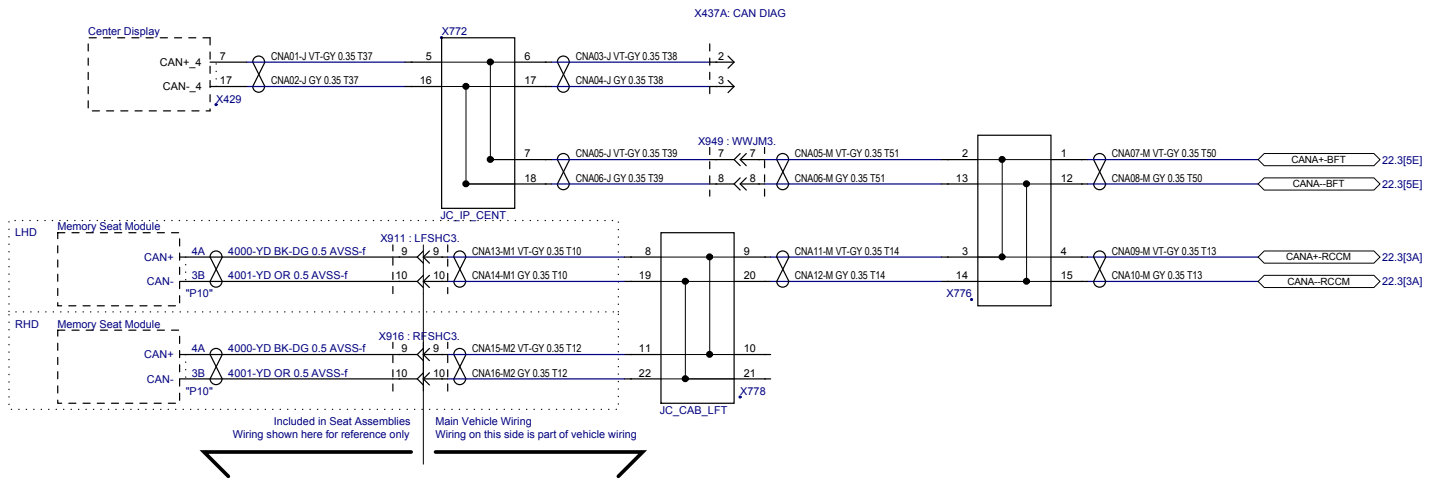
PROJECT NAME: 2015 Model S Wiring: RHD	PHASE: SOP4
SHEET NAME: Chassis CAN Network 1/2	
ITEM NO: 1004573-00-E	REVISION: 15
	DATE: 8/11/2015
DO NOT SCALE DRAWING SHEET 35.1	

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TESLA	
PROJECT NAME: 2015 Model S Wiring: RHD	PHASE: SOP4
SHEET NAME: Body CAN Network	
ITEM NO: 1004573-00-E	REVISION: 15
DATE: 8/11/2015	
DO NOT SCALE DRAWING	SHEET 36.1

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.



Wiring shown here for reference only
Main Vehicle Wiring
Wiring on this side is part of vehicle wiring



PROJECT NAME: 2015 Model S Wiring: RHD	PHASE: SOP4
SHEET NAME: Body FT CAN Network	
ITEM NO: 1004573-00-E	REVISION: 15
	DATE: 8/11/2015
DO NOT SCALE DRAWING	SHEET 37.1

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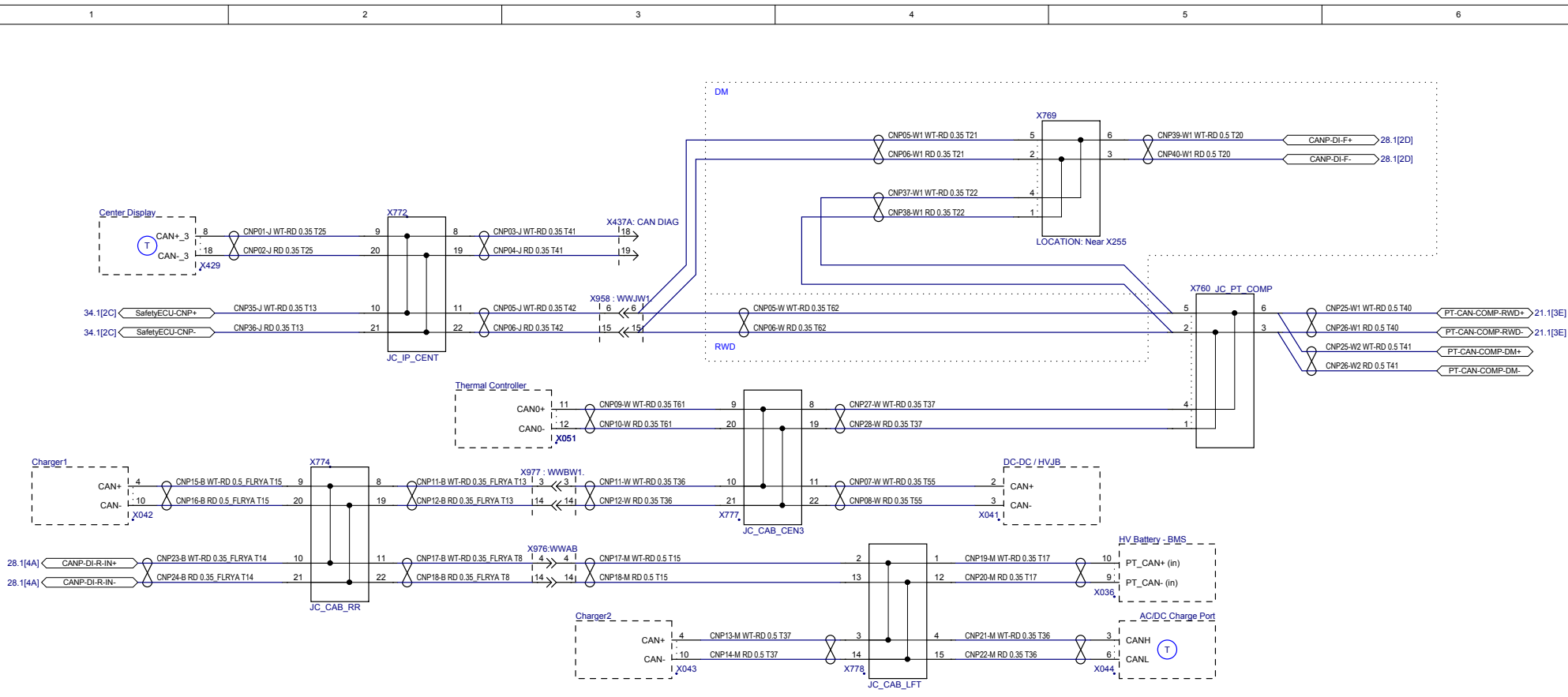
PROJECT NAME: 2015 Model S Wiring: RHD PHASE: SOP4

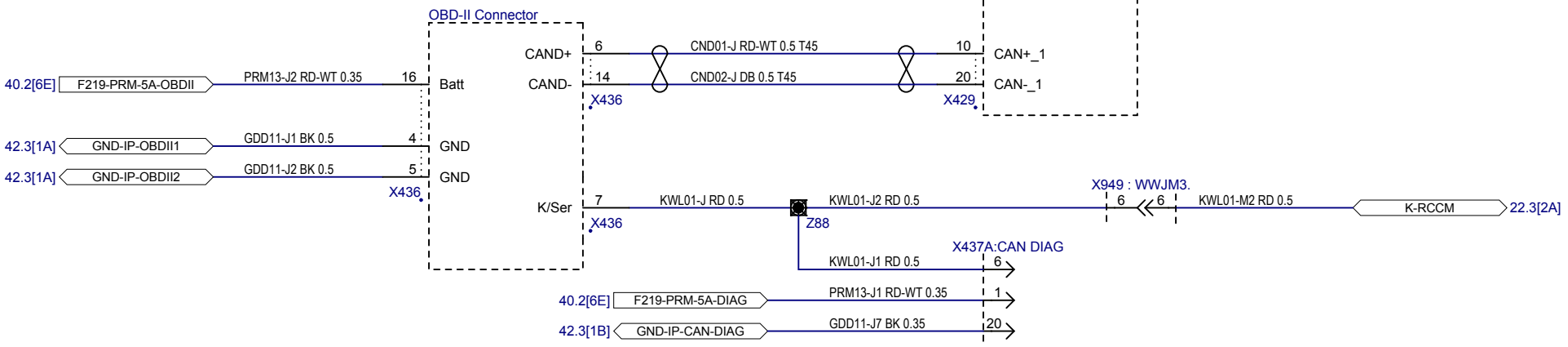
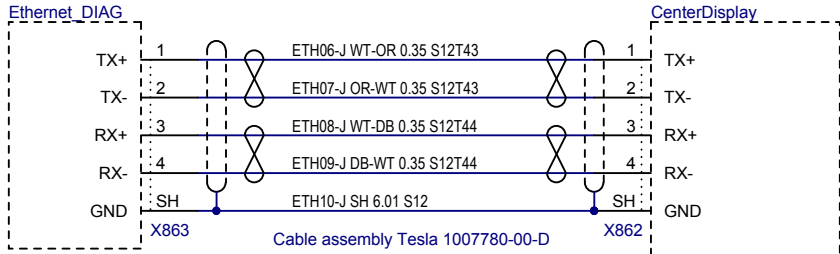
SHEET NAME: PT CAN Network 1

ITEM NO: 1004573-00-E REVISION: 15 DATE: 8/11/2015

DO NOT SCALE DRAWING SHEET 38.1

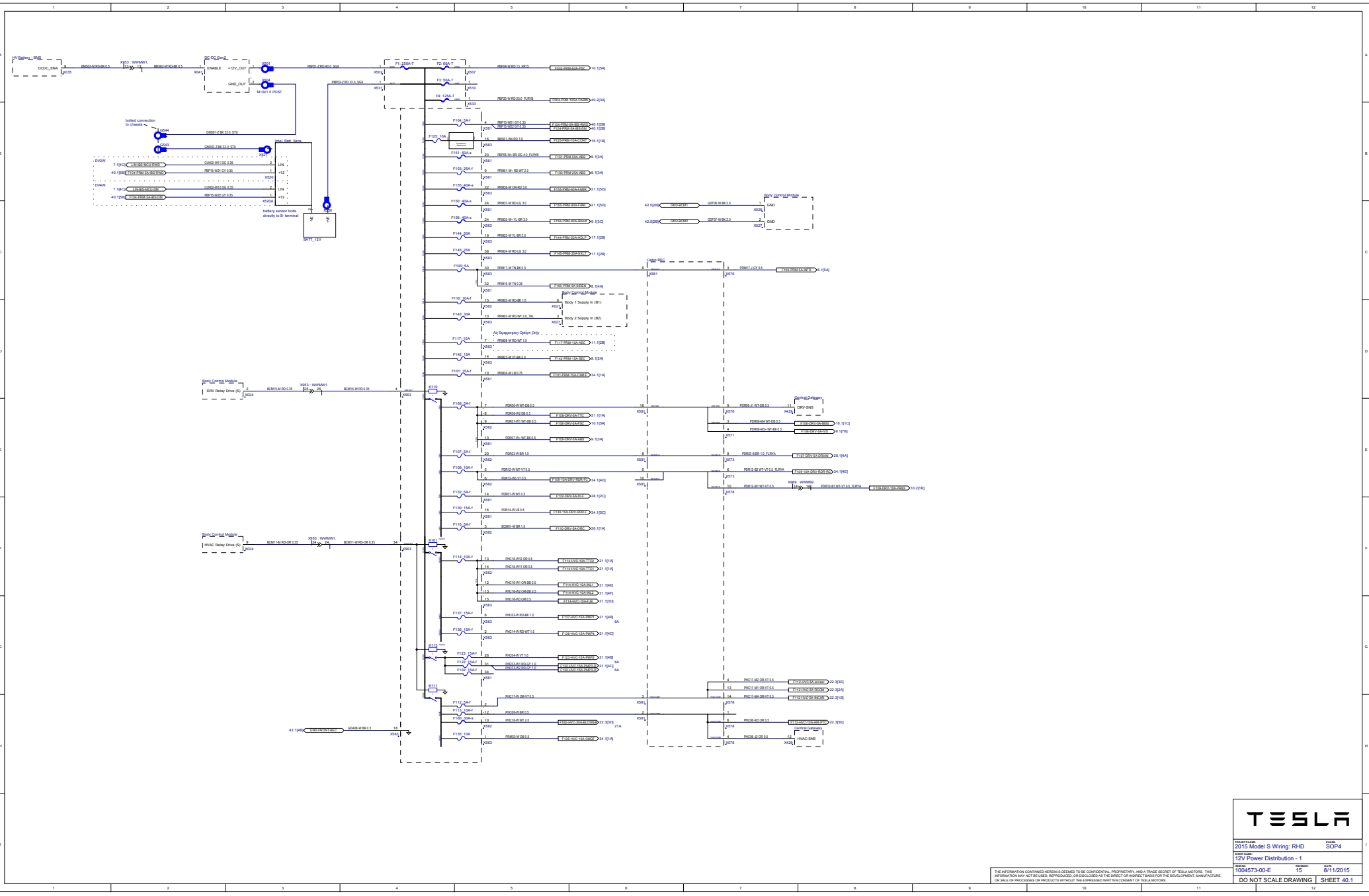
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT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





PROJECT NAME: 2015 Model S Wiring: RHD		PHASE: SOP4	
SHEET NAME: Vehicle Diagnostic Connections			
ITEM NO. 1004573-00-E	REVISION: 15	DATE: 8/11/2015	
DO NOT SCALE		SHEET 39.1	

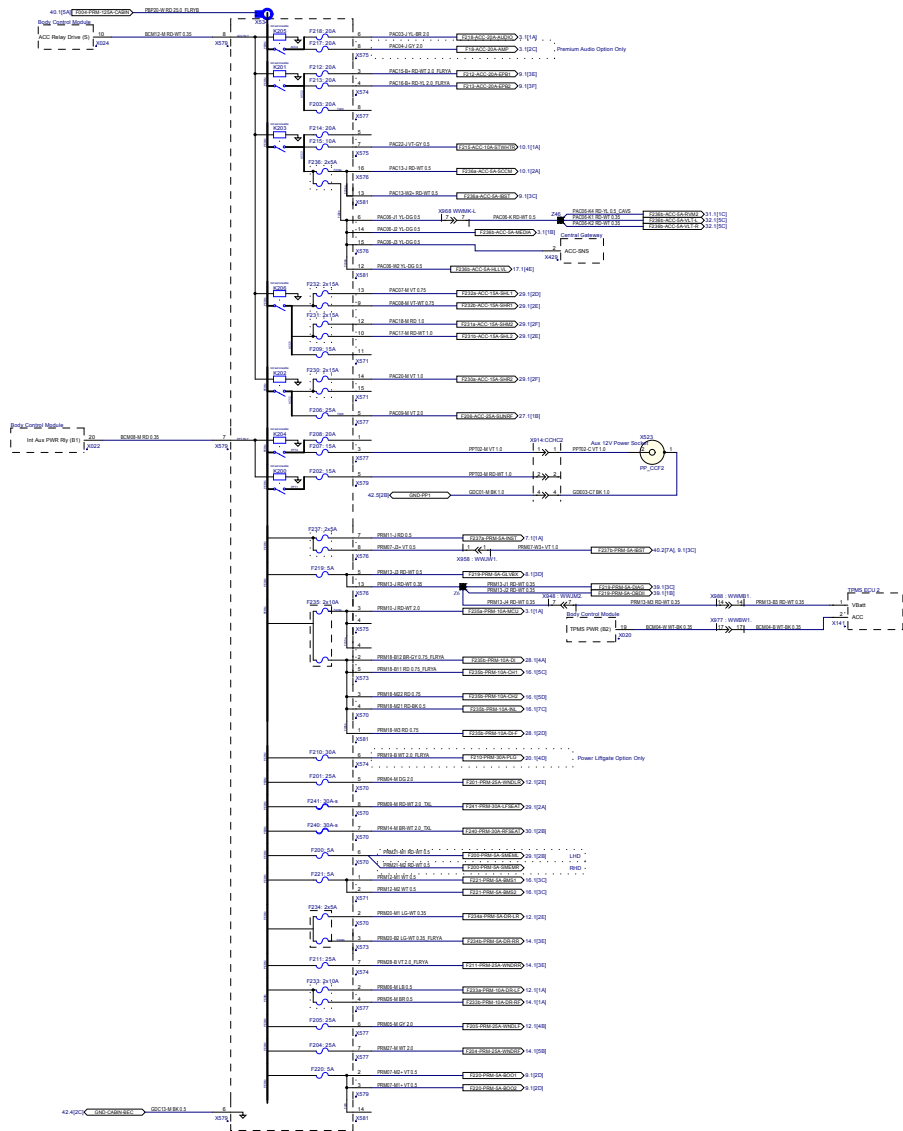
THE INFORMATION CONTAINED HEREIN IS DEEMED TO BE CONFIDENTIAL, PROPRIETARY, AND A TRADE SECRET OF TESLA MOTORS. THIS INFORMATION MAY NOT BE USED, REPRODUCED, OR DISCLOSED AS THE DIRECT OR INDIRECT BASIS FOR THE DEVELOPMENT, MANUFACTURE, OR SALE OF PROCESSES OR PRODUCTS WITHOUT THE EXPRESSED WRITTEN CONSENT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



TESLA

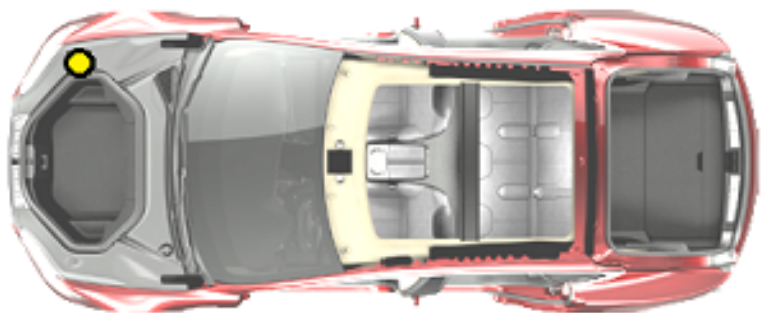
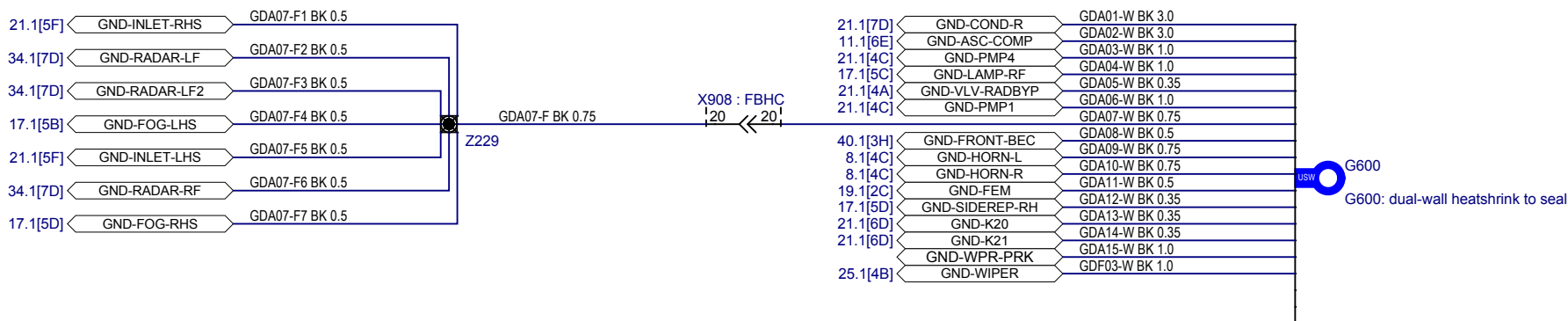
REVISION 2015 Model S Wiring: RHD 12V Power Distribution - 1	TITLE SOP4
1004573-00-E	DATE 8/11/2015
DO NOT SCALE DRAWING	SHEET 40.1

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RF Ground Point - Forward of Wheel



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: 2015 Model S Wiring: RHD PHASE: SOP4

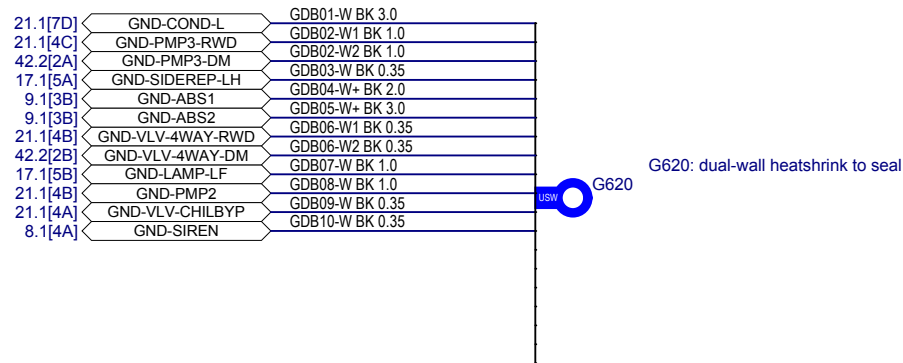
SHEET NAME: Ground Distribution - Right Front

ITEM NO. 1004573-00-E REVISION: 15 DATE: 8/11/2015

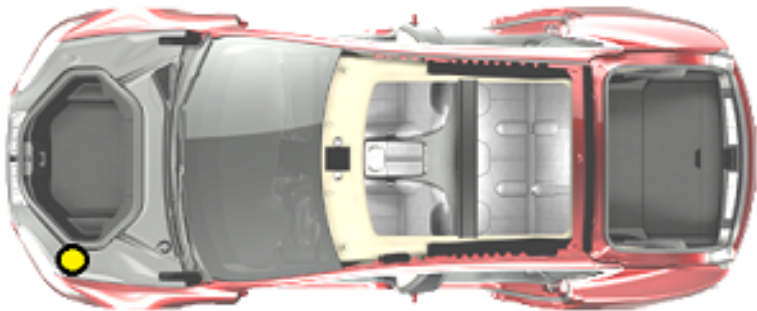
DO NOT SCALE

SHEET 42.1

LF Ground Point - Forward of Wheel



Circuits with -RWD tag are only for DV2W
 Circuits with -DM tag are only for DV4W
 Vehicles are built as DV2W or DV4W, so vehicle will have either -RWD or -DM circuits, but not both

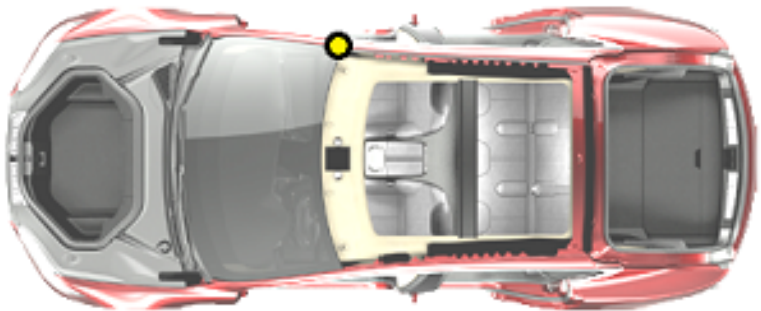
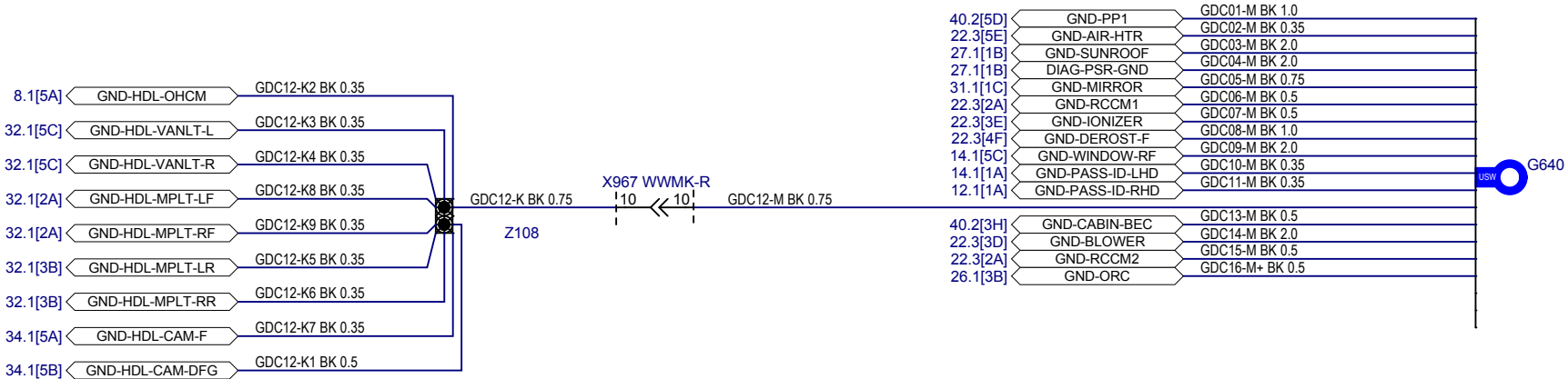


TESLA

PROJECT NAME: 2015 Model S Wiring: RHD		PHASE: SOP4
SHEET NAME: Ground Distribution - Left Front		
ITEM NO. 1004573-00-E	REVISION: 15	DATE: 8/11/2015
DO NOT SCALE		SHEET 42.2

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RH A-pillar Ground Point

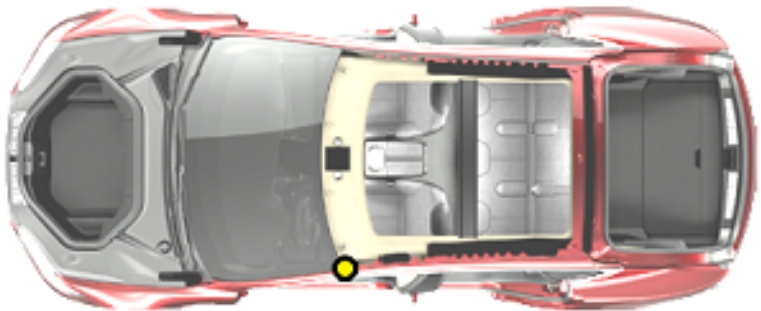
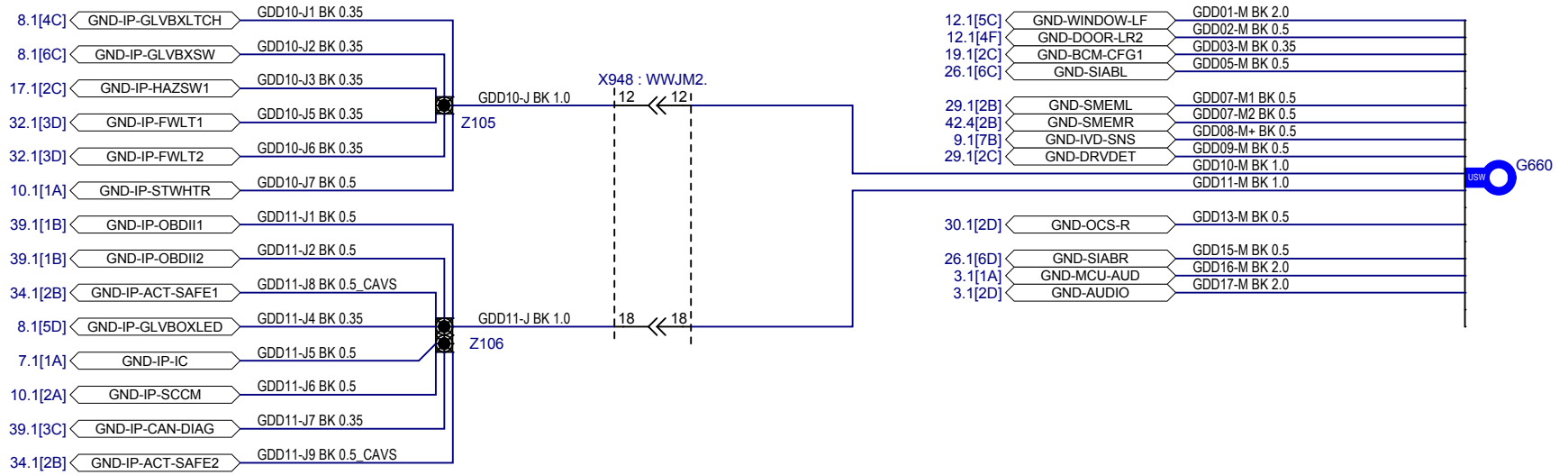


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PROJECT NAME: 2015 Model S Wiring: RHD		PHASE: SOP4
SHEET NAME: Ground Distribution - RHS A-Pillar		
ITEM NO. 1004573-00-E	REVISION: 15	DATE: 3/4/2015
DO NOT SCALE		SHEET 42.3

LH A-pillar Ground Point



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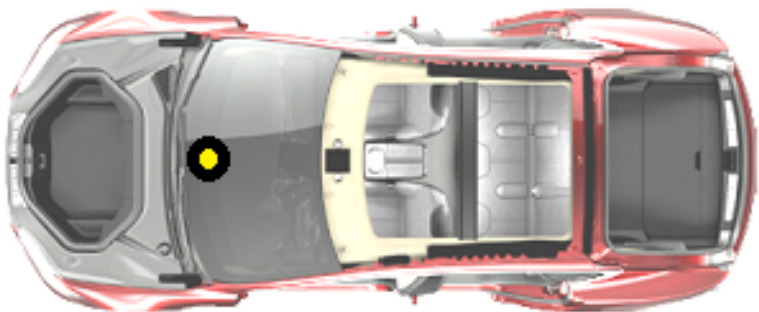
PROJECT NAME: 2015 Model S Wiring: RHD		PHASE: SOP4
SHEET NAME: Ground Distribution - LHS A-pillar		
ITEM NO. 1004573-00-E	REVISION: 15	DATE: 8/11/2015
DO NOT SCALE		SHEET 42.4

Middle Ground Point

25.1[2B]	GND-WSH-LVL	GDF01-W BK 0.35
25.1[4B]	GND-WSH-PMP	GDF02-W BK 0.5
9.1[3D]	GND-iBoost	GDF15-W+ BK 3.0
	GND-WshrNozzle	GDF16-W BK 0.5
9.1[3E]	GND-BRK-FL	GDF05-W+ BK 0.35
40.1[6C]	GND-BCM1	GDF06-W BK 2.0
40.1[6C]	GND-BCM2	GDF07-W BK 2.0
17.1[4E]	GND-HL-LVL	GDF08-W BK 0.5
21.1[1A]	GND-TTC	GDF09-W BK 0.5
21.1[3E]	GND-FJB	GDF10-W BK 0.5
11.1[2C]	GND-ASC-ECU	GDF12-W BK 1.0
21.1[3E]	GND-COMPRSR-RWD	GDF11-W1 BK 0.5
42.5[2B]	GND-COMPRSR-DM	GDF11-W2 BK 0.5
21.1[3E]	GND-COMPCase-RWD	GDF13-W1 BK 3.0
21.1[3E]	GND-COMPCase-DM	GDF13-W2 BK 3.0
21.1[1B]	GND-CL-BTL-RWD	GDF04-W1 BK 0.35
	GND-CL-BTL-DM	GDF04-W2 BK 0.35
28.1[2D]	GND-DI-F-ID	GDB11-W BK 0.5
28.1[2D]	GND-DI-F-MAIN	GDB12-W BK 0.5



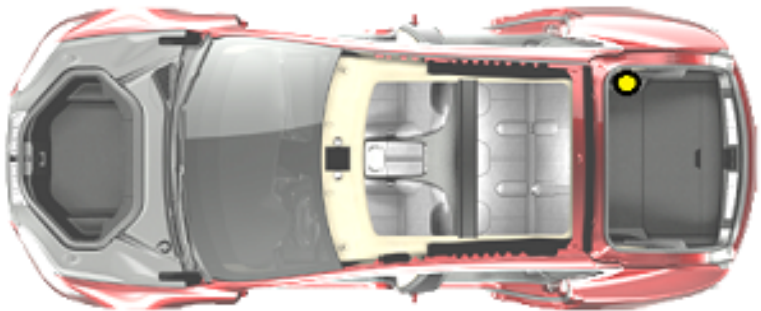
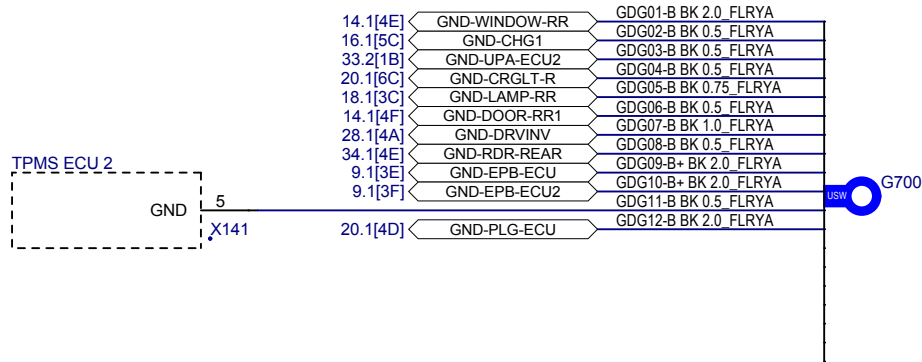
Circuits with -RWD tag are only for DV2W
 Circuits with -DM tag are only for DV4W
 Vehicles are built as DV2W or DV4W, so vehicle will have either -RWD or -DM circuits, but not both



PROJECT NAME: 2015 Model S Wiring: RHD		PHASE: SOP4
SHEET NAME: Ground Distribution - Lower Center Stack		
ITEM NO. 1004573-00-E	REVISION: 15	DATE: 8/11/2015
DO NOT SCALE		SHEET 42.5

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RR Ground Point - Behind Wheel



PROJECT NAME: 2015 Model S Wiring: RHD PHASE: SOP4

SHEET NAME: Ground Distribution - Right Rear

ITEM NO. 1004573-00-E REVISION: 15 DATE: 3/4/2015

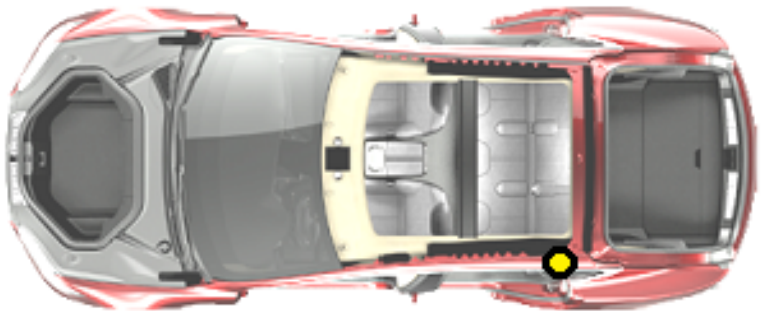
DO NOT SCALE

SHEET 42.6

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LR Ground Point - Behind Wheel

16.1[7C]	GND-CHGPRT1	GDH01-M BK 0.5
18.1[3A]	GND-LAMP-LR	GDH02-M BK 0.75
20.1[1D]	GND-TGINTOPEN	GDH03-M BK 0.35
20.1[6C]	GND-CRGLT-L	GDH04-M BK 0.35
16.1[3D]	GND-BMS1	GDH05-M BK 0.5
16.1[3D]	GND-BMS2	GDH06-M BK 0.5
16.1[3D]	GND-BMS3	GDH07-M BK 0.5
16.1[3D]	GND-BMS4	GDH08-M BK 0.5
16.1[5D]	GND-CHG2	GDH09-M BK 0.5
29.1[2E]	GND-SH2L	GDH10-M BK 1.0
29.1[2F]	GND-SH2M	GDH11-M BK 1.0
29.1[2F]	GND-SH2R	GDH12-M BK 1.0
29.1[2C]	GND-SHL-FTWL	GDH13-M BK 0.75
12.1[4E]	GND-WINDOW-LR	GDH14-M BK 2.0
30.1[2C]	GND-SHR-FTWL	GDH15-M BK 0.75
29.1[2A]	GND-LFSEAT	GDD06-M BK 2.0
30.1[2B]	GND-RFSEAT	GDD12-M BK 2.0

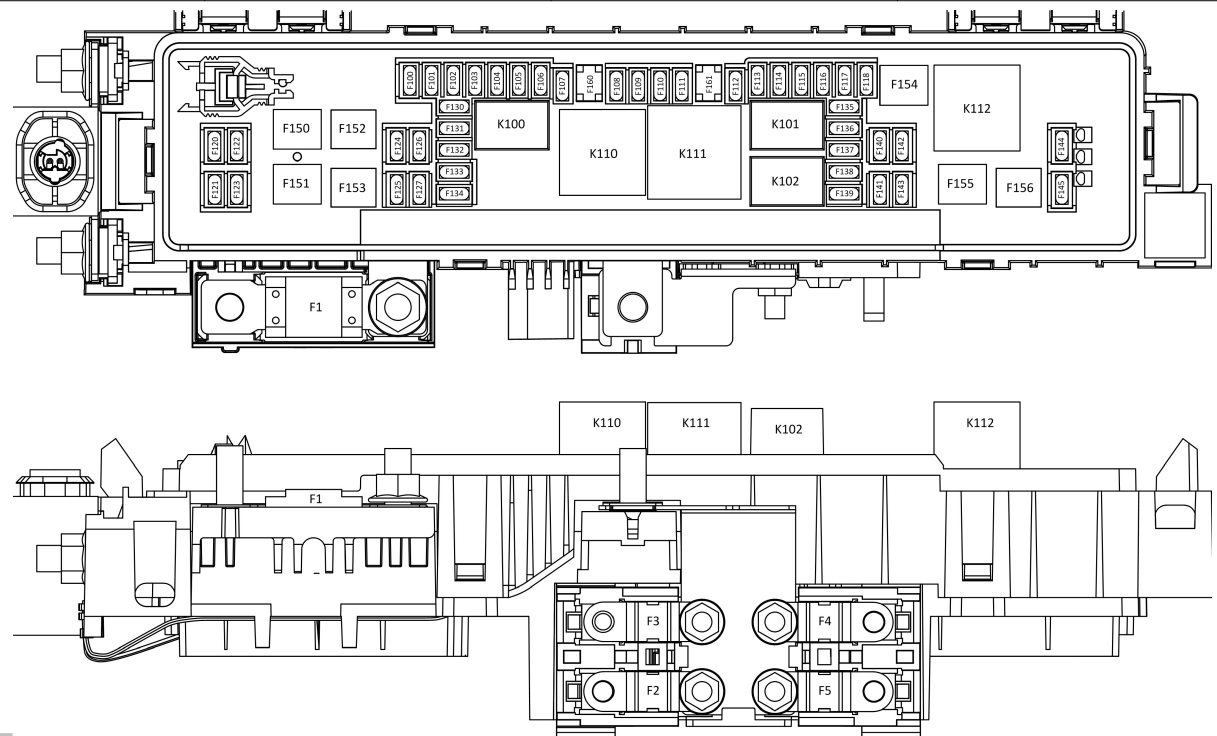
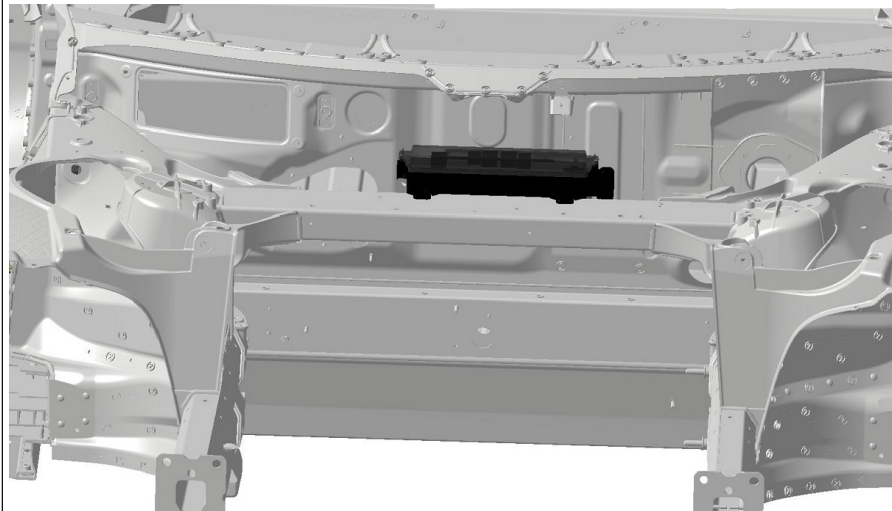


PROJECT NAME: 2015 Model S Wiring: RHD		PHASE: SOP4	
SHEET NAME: Ground Distribution - Left Rear			
ITEM NO. 1004573-00-E	REVISION: 15	DATE: 8/11/2015	
DO NOT SCALE		SHEET 42.7	

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Des.	Value	Type	Functional Description	Option
F1	250A	MEGA	DCDC input	ALL
F2	60A	MIDI	Power Steering	ALL
F3	-	MIDI	not used	ALL
F4	125A	MIDI	Cabin Subfeed	ALL
F100	5A	MICRO2	Siren and Intrusion Module	REEU
F101	15A	MICRO2	Driver Assist Forward Camera	ALL
F102	-	-	not used	ALL
F103	25A	MICRO2	ABS Valves	ALL
F104	5A	MICRO2	Battery Sensor	ALL
F105	-	-	not used	ALL
F106	-	-	not used	ALL
F107	5A	MICRO2	Drive Inverter, Rear	ALL
F108	5A	MICRO2	Drive Rail Sense	ALL
F109	10A	MICRO2	Park Assist	ALL
F110	5A	MICRO2	Restraints Control Module	ALL
F111	-	-	not used	ALL
F112	5A	MICRO2	Cabin Comfort Systems	ALL
F113	10A	MICRO2	Cabin Air Heater	ALL
F114	10A	MICRO2	Thermal Controller, Inlets, Battery Heater	ALL
F115	-	-	not used	ALL
F116	10A	MICRO2	Body Controls Group 1	ALL
F117	10A	MICRO2	Air Suspension Controls/Valves	SU01,SU02
F118	25A	MICRO2	Windshield Wiper	ALL
F120	-	-	not used	ALL
F121	-	-	not used	ALL
F122	15A	MICRO2	Coolant Pump 3	ALL
F123	15A	MICRO2	Coolant Pump 2	ALL
F124	10A	MICRO2	Windshield Wiper De-Ice	ALL
F125	10A	MICRO2	Contact Power	ALL
F126	-	-	not used	ALL
F127	-	-	not used	ALL
F130	15A	MICRO2	Driver Assist Forward Radar	ALL
F131	-	-	not used	ALL
F132	5A	MICRO2	Drive Inverter, Front	DV4W
F133	-	-	not used	ALL
F134	-	-	not used	ALL
F135	10A	MICRO2	Driver Assistance Forward Camera Defog	DV4W
F136	15A	MICRO2	Coolant Pump 4	DV4W
F137	15A	MICRO2	Coolant Pump 1	ALL
F138	30A	MICRO2	Rear Defrost Grid	ALL
F139	-	-	not used	ALL
F140	-	-	not used	ALL
F141	-	-	not used	ALL
F142	15A	MICRO2	Security Controls and Horns	ALL
F143	30A	MICRO2	Body Controls Group 2	ALL
F144	20A	MICRO2	Headlamps	ALL
F145	25A	MICRO2	Exterior Lighting	ALL
F150	40A	J-Case-LP	Condenser Fan, Left	ALL
F151	50A	J-Case-LP	ABS Pump Motor	ALL
F152	-	-	not used	ALL
F153	-	-	not used	ALL
F154	40A	J-Case-LP	Air Suspension Compressor	ALL
F155	40A	J-Case-LP	Condenser Fan, Right	ALL
F156	40A	J-Case-LP	iBoost (Brake Assist)	ALL
F160	30A	JCaseMini	Cabin Blower	ALL
F161	-	-	not used	ALL
K100	-	-	not used	ALL
K101	M280	HVAC	Rail group 1	ALL
K102	M280	HVAC	Rear Defrost Grnd	ALL
K110	HCISO	HVAC	Drive Rail	ALL
K111	HCISO	HVAC	HVAC Rail	ALL
K112	HCISO	HVAC	Air Suspension Controller	ALL

Note: Fuses may be installed even when function does not apply to your vehicle



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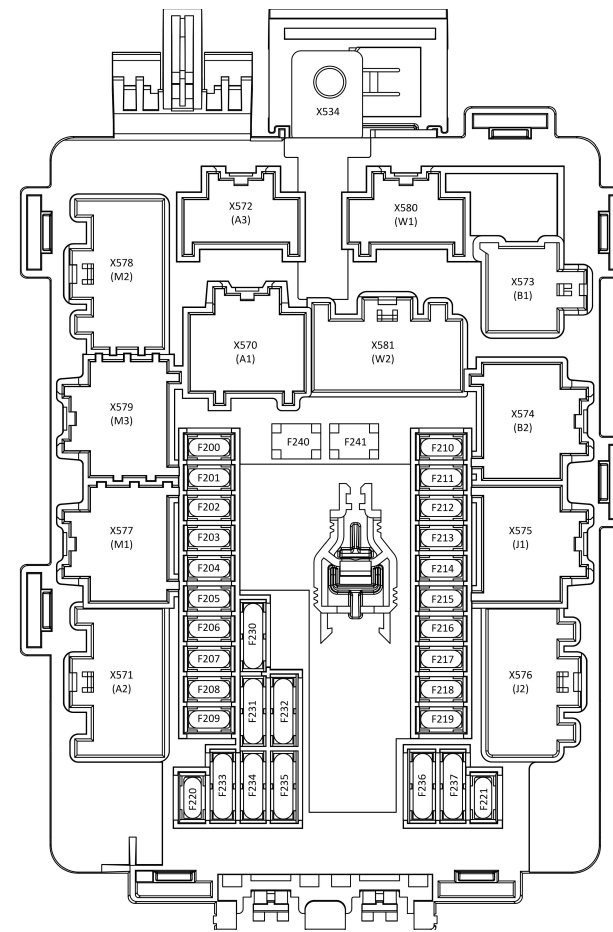
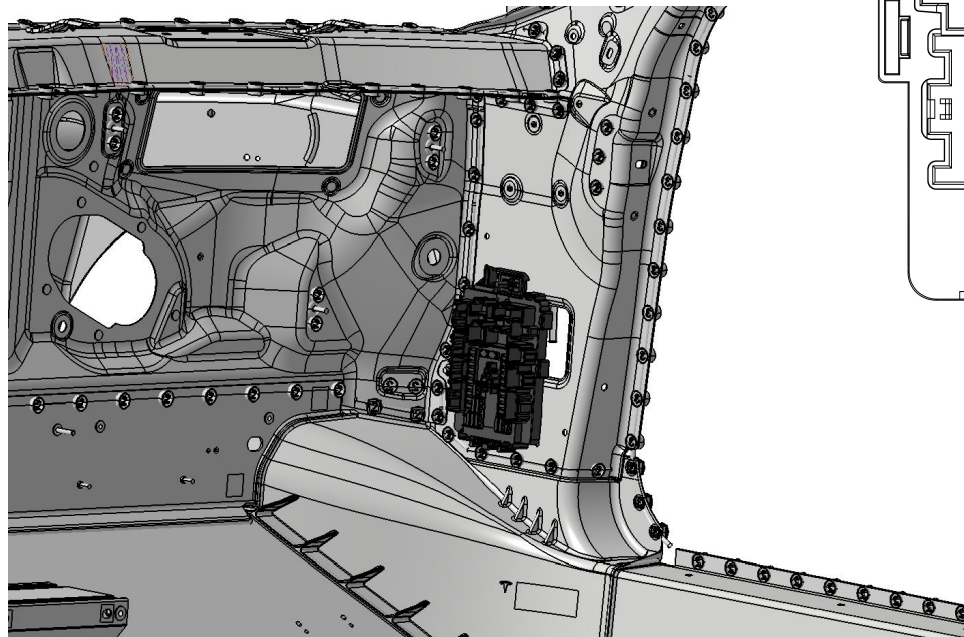
TESLA

PROJECT NAME: 2015 Model S Wiring: RHD	PHASE: SOP4
SHEET NAME: Front Fusebox Layout	
ITEM NO: 1004573-00-E	REVISION: 15
DATE: 8/11/2015	
DO NOT SCALE DRAWING	SHEET 44.1

No serviceable relays in Cabin Fusebox

Des. Value	Type	Functional Description	Option
F200 5A	MICRO2	Memory Seat Module	ALL
F201 25A	MICRO2	Window Lift Motor, Left Rear	ALL
F202 15A	MICRO2	12V Accessory	ALL
F203	-	not used	ALL
F204 25A	MICRO2	Window Lift Motor, Right Front	ALL
F205 25A	MICRO2	Window Lift Motor, Left Front	ALL
F206 25A	MICRO2	Sunroof	RFPO
F207 15A	MICRO2	12V Accessory Outlet	ALL
F208	-	not used	ALL
F209	-	not used	ALL
F210 30A	MICRO2	Power Liftgate	TP01
F211 25A	MICRO2	Window Lift Motor, Right Rear	ALL
F212 20A	MICRO2	Electric Park Brake (primary)	ALL
F213 20A	MICRO2	Electric Park Brake (redundant)	ALL
F214	-	not used	ALL
F215 10A	MICRO2	Steering Wheel Heater	CW02
F216	-	not used	ALL
F217 20A	MICRO2	Premium Audio Amplifier	AU01
F218 20A	MICRO2	Base Audio Amplifier	ALL
F219 5A	MICRO2	Glove Box Light, Diagnostics	ALL
F220 5A	MICRO2	Brake Pedal Switch	ALL
F221 5A	MICRO2	Battery Management System	ALL
F230 15Ax2	MICRO3	Seat Heater, Second Row, Right	ALL
F231 15Ax2	MICRO3	Seat Heater, Second Row, Left	ALL
F232 15Ax2	MICRO3	Seat Heater, Second Row, Middle	ALL
F233 10Ax2	MICRO3	Seat Heater, First Row, Left	ALL
F233 10Ax2	MICRO3	Seat Heater, First Row, Right	ALL
F233 10Ax2	MICRO3	Door Controls, Left, Door Handle, Left Front	ALL
F233 10Ax2	MICRO3	Door Controls, Right, Door Handle, Right Front	ALL
F234 5Ax2	MICRO3	Door Handle, Left Rear	ALL
F234 5Ax2	MICRO3	Door Handle, Right Rear	ALL
F235 10Ax2	MICRO3	Gateway / Center Display	ALL
F235 10Ax2	MICRO3	Charging Systems	ALL
F236 5Ax2	MICRO3	Steering Angle / Column	ALL
F236 5Ax2	MICRO3	Radio, Vanity Lights, Rear View Mirror	ALL
F237 5Ax2	MICRO3	Instrument Cluster	ALL
F240 30A	J-Case-S	iBooster	ALL
F241 30A	J-Case-S	Seat Motors, Right Front	ALL
F241 30A	J-Case-S	Seat Motors, Left Front	ALL

Note: Fuses may be installed even when function does not apply to your vehicle



TESLA

PROJECT NAME: 2015 Model S Wiring: RHD PHASE: SOP4

SHEET NAME: "Cabin" Fusebox 1 Layout

ITEM NO: 1004573-00-E REVISION: 15 DATE: 8/11/2015

DO NOT SCALE DRAWING SHEET 44.2

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