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Table 1: Abbreviations

LF	Left Front	RC	Right Child (rear-facing)
RF	Right Front	MF	Middle Front
LR	Left Rear	-	-
RR	Right Rear	-	-
LC	Left Child (rear-facing)	-	-

Table 2: Multi-way Connector Designators

LFDHC	LF Door Harness Connector	CCHC	Center Console Harness Connector
LRDHC	LR Door Harness Connector	IPHC(L/R)	Instrument Panel Harness Conenctor (Left/Right)
RFDHC	RF Door Harness Connector	RSFHC	Rear Subframe harness connector
RRDHC	RR Door Harness Connector	-	-
TGHC	TailGate Harness Connector	-	-

Table 3: Harness Designators

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 (Dashpad) 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

Table 4: Wire Color Designators

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	WH	White	-	-
DG	Dark Green	PK	Pink	YL	Yellow	-	-
GY	Gray	PU	Purple			-	-

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

Table 5: Wire Type Designators

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
-f	flexible type (add to any type) = small strand	RFXFA	SAE J1128 TXL-f: thin-wall high-flex 125C rated

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General Notes:

0) Document is formatted to print on 8.5" x 11" paper. (similar to A4)

1) Switches [Relays] are shown in their inactive [de-energized] state.

2) Splices may be split across pages for visual clarity with respect to the function displayed on the particular page.

3) 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.

4) Wire sizes are specified in mm^2 cross-sectional area (CSA) per SAE 1127/8

Size Shown	Wire Specification Usage
0.22	SAE 0.22 / 24AWG
0.35	SAE 0.35 / 22AWG
0.5	SAE 0.5 / 20 AWG
0.75	SAE 0.8 / 18AWG
1.0	SAE 1.0 / 16AWG
2.0	SAE 2.0 / 14AWG
3.0	SAE 3.0 / 12AWG
5.0	SAE 5.0 / 10AWG
8.0	SAE 8.0 / 8AWG
13.0	SAE 13.0 / 6AWG
20.0	SAE 19.0 / 4AWG
32.0	SAE 32.0 / 2AWG

5) Wire specification: 60V, thin-wall PVC (SAE TWP type or equivalent), unless otherwise specified in wire label.
See sheet 1.2 for a description of how the wire types are shown in the wire label.
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

PRM1	PARAM	WireType	Default	TWP
------	-------	----------	---------	-----

6) Unless otherwise specified, terminal plating is to be Tin or Pre-Tin

7) 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 G### range or X700-X799 range, where the wires are connected together internally by the joint connector.

8) Inline conenctor gender specification is based on the terminal type.
Inline connectors with "M" suffix have male, tab or pin terminals
Inline connectors with "F" suffix have female, receptacle or socket terminals

TESLA

PROJECT NAME:

Model S Wiring Diagram: LHD

PHASE:

SOP(2012)

SHEET NAME:

Notes, Abbreviations, etc.

ITEM NO.

1004573-00-D

REVISION:

09 (final)

DATE:

5/13/2014

DO NOT SCALE

SHEET 1.3

1

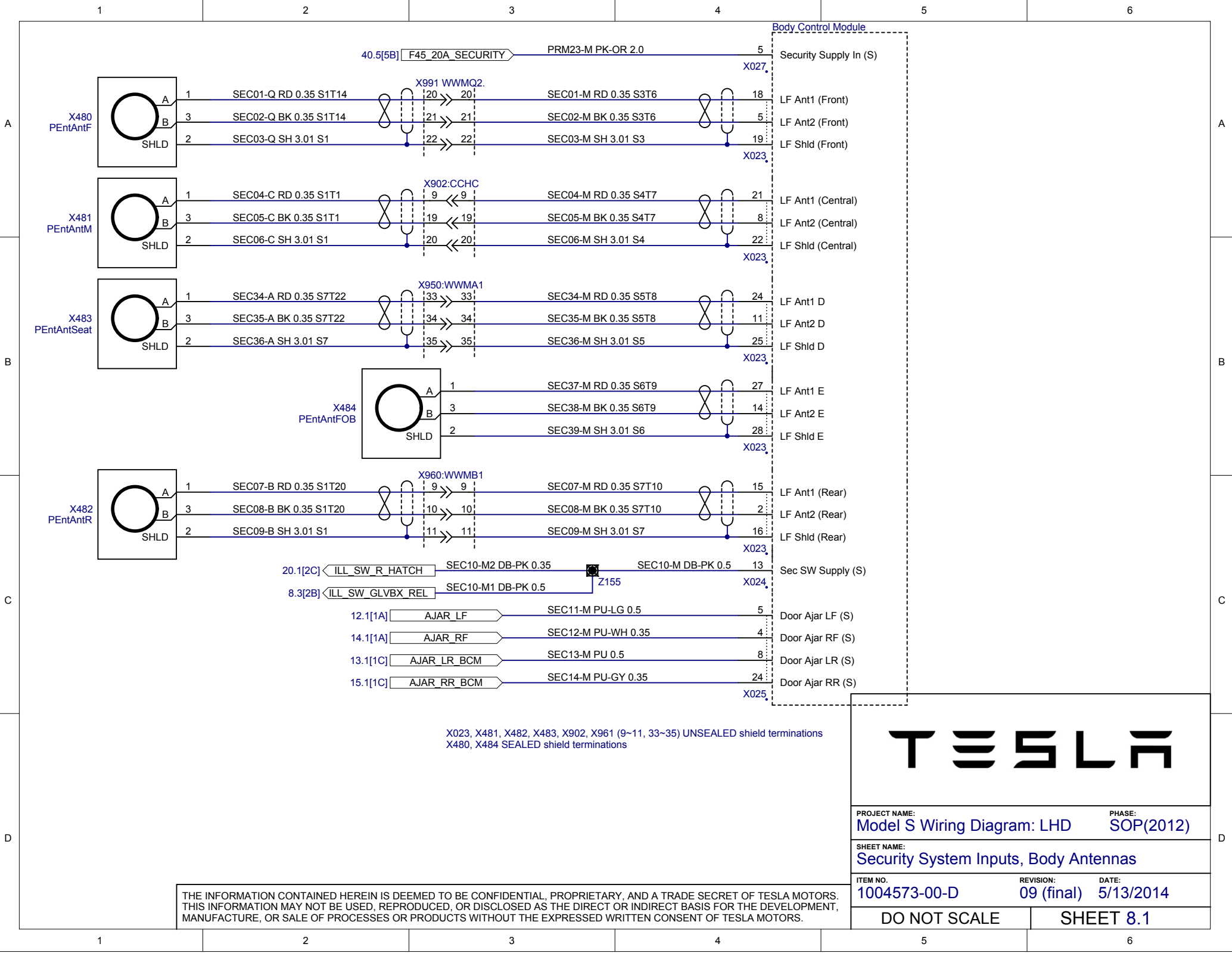
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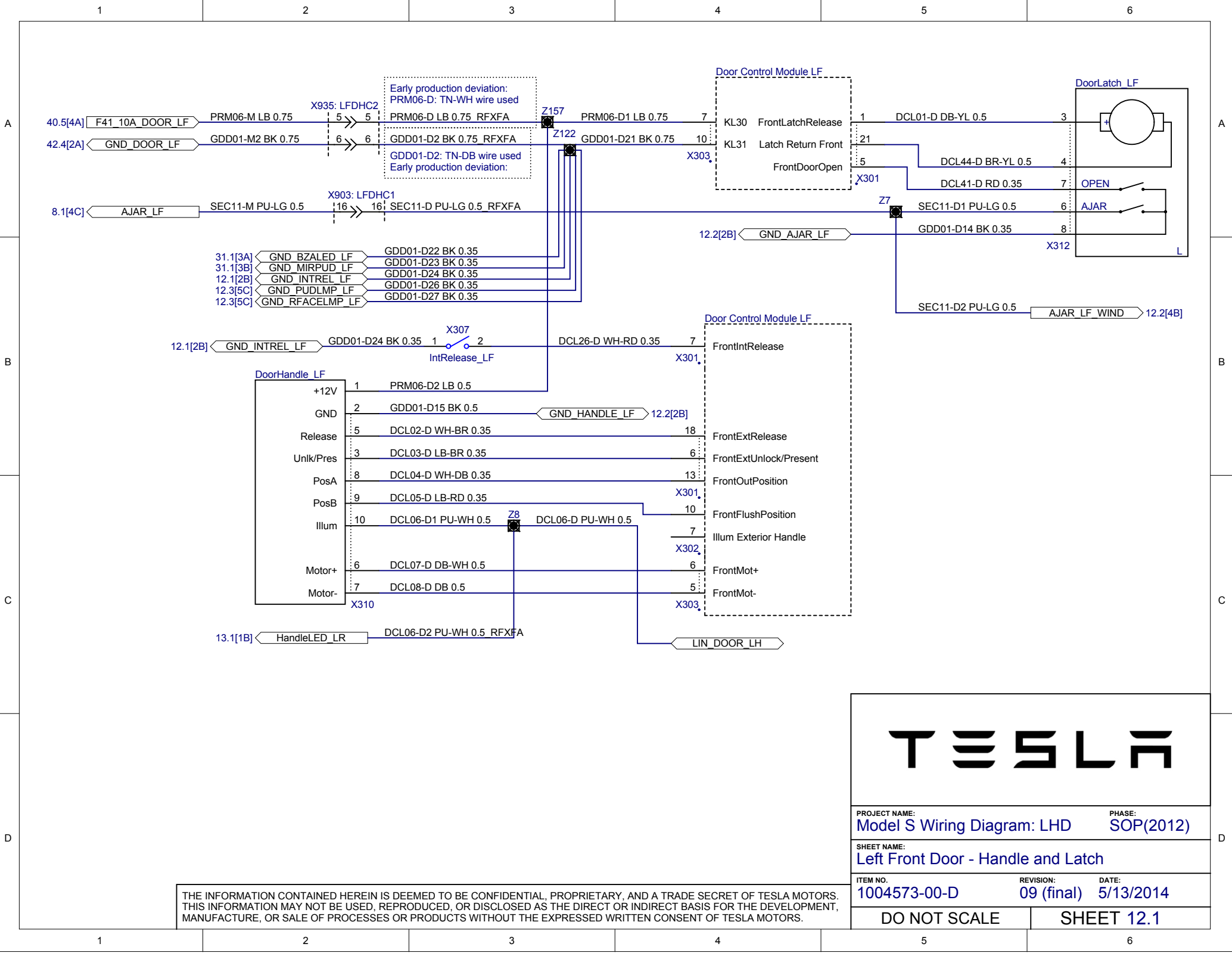
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PROJECT NAME: Model S Wiring Diagram: LHD PHASE: SOP(2012)

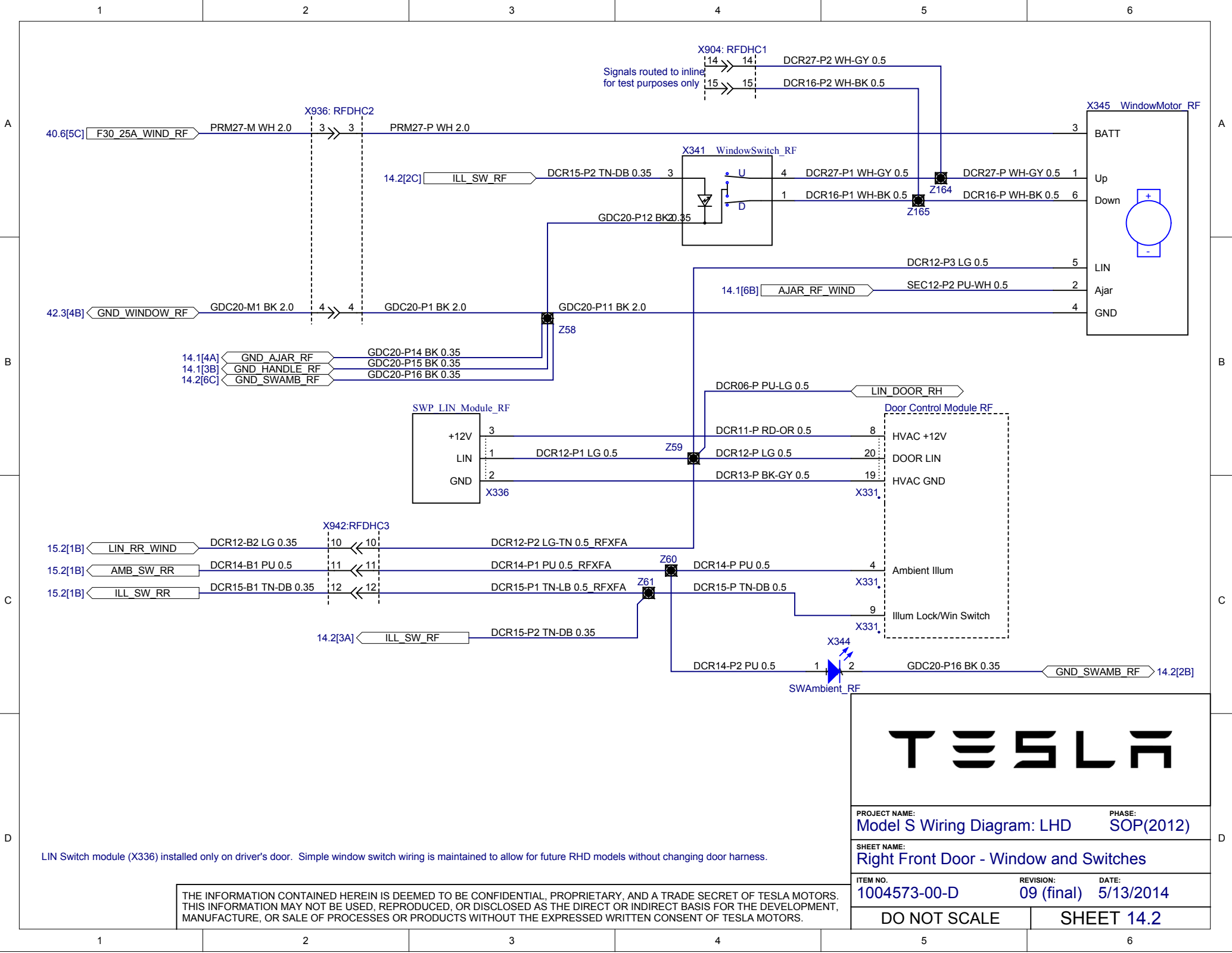
SHEET NAME: Left Front Door - Handle and Latch

ITEM NO. 1004573-00-D REVISION: 09 (final) DATE: 5/13/2014

DO NOT SCALE

SHEET 12.1

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PROJECT NAME: Model S Wiring Diagram: LHD		PHASE: SOP(2012)	
SHEET NAME: Right Front Door - Window and Switches			
ITEM NO. 1004573-00-D	REVISION: 09 (final)	DATE: 5/13/2014	
DO NOT SCALE		SHEET 14.2	

LIN Switch module (X336) installed only on driver's door. Simple window switch wiring is maintained to allow for future RHD models without changing door harness.

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A

B

C

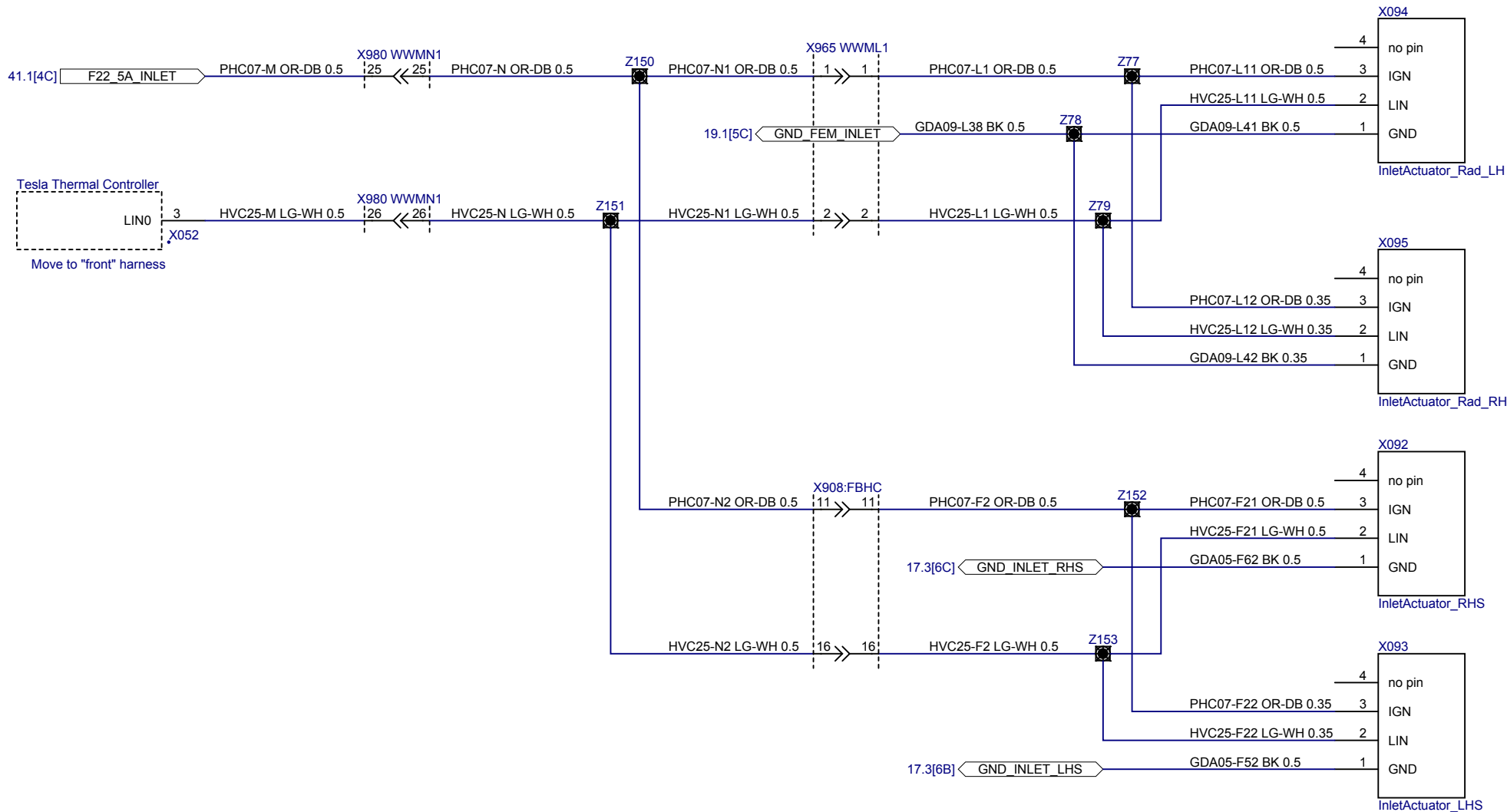
D

A

B

C

D



TESLA

PROJECT NAME: Model S Wiring Diagram: LHD PHASE: SOP(2012)

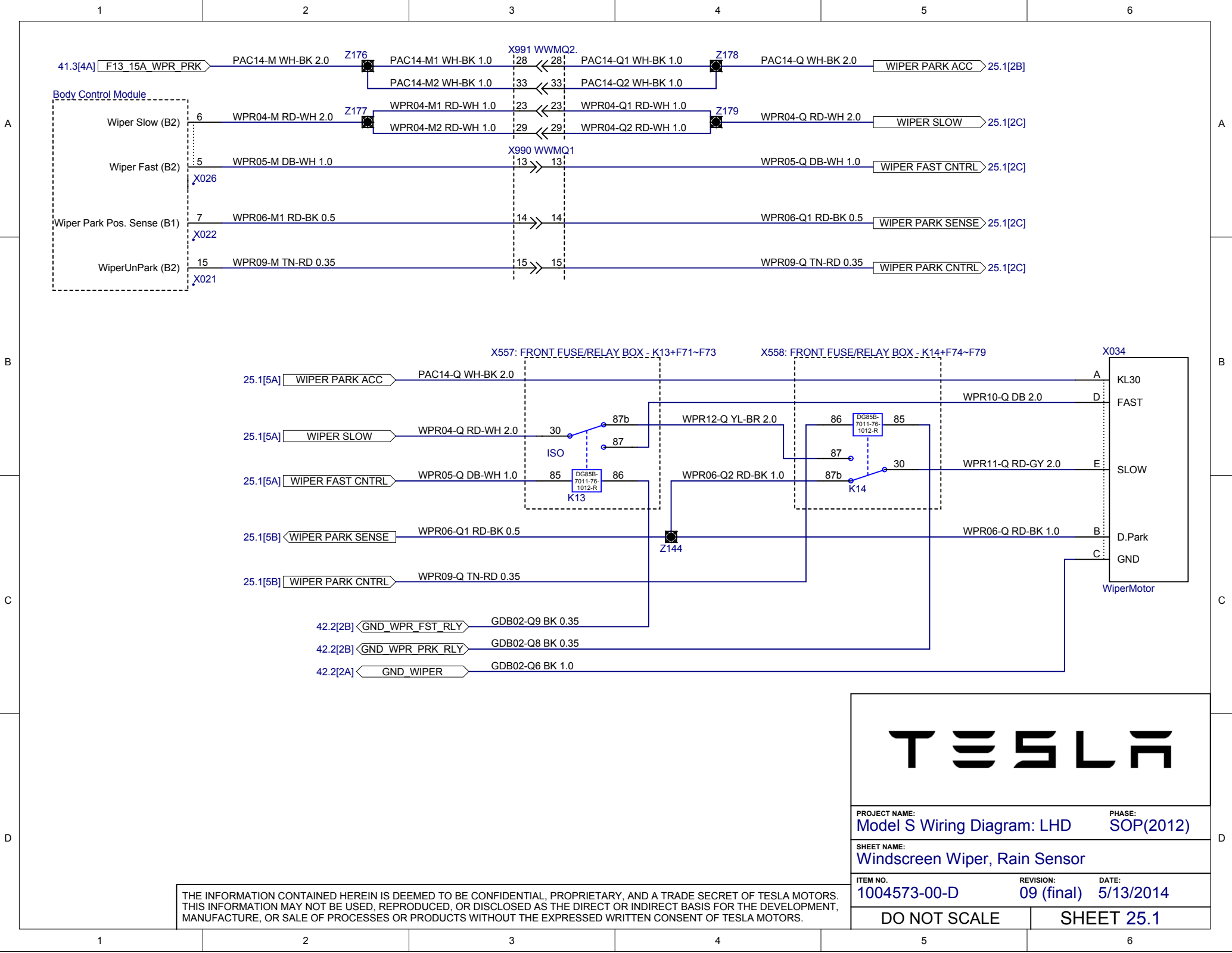
SHEET NAME: HVAC - Inlet Louvres

ITEM NO. 1004573-00-D REVISION: 09 (final) DATE: 5/13/2014

DO NOT SCALE

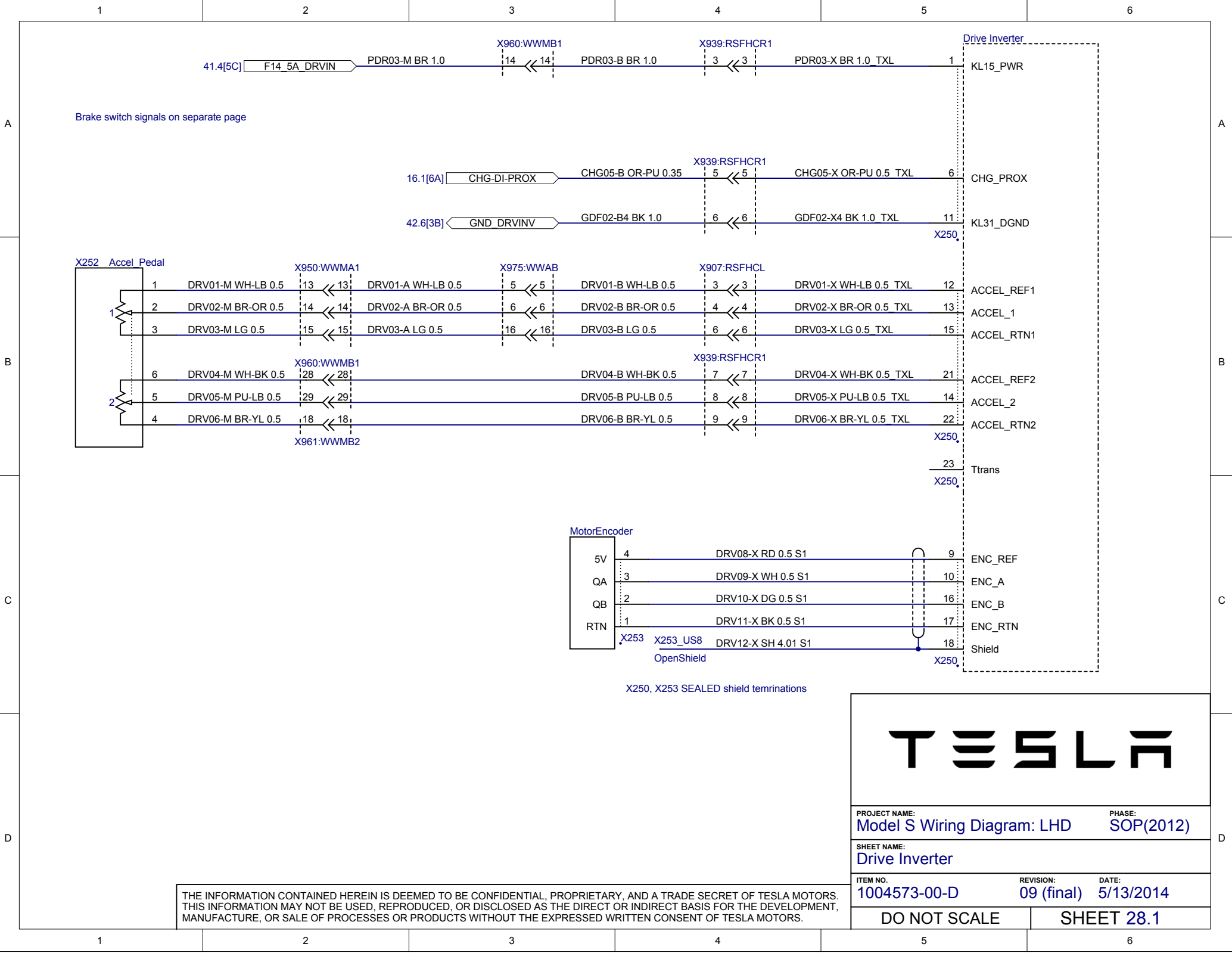
SHEET 21.3

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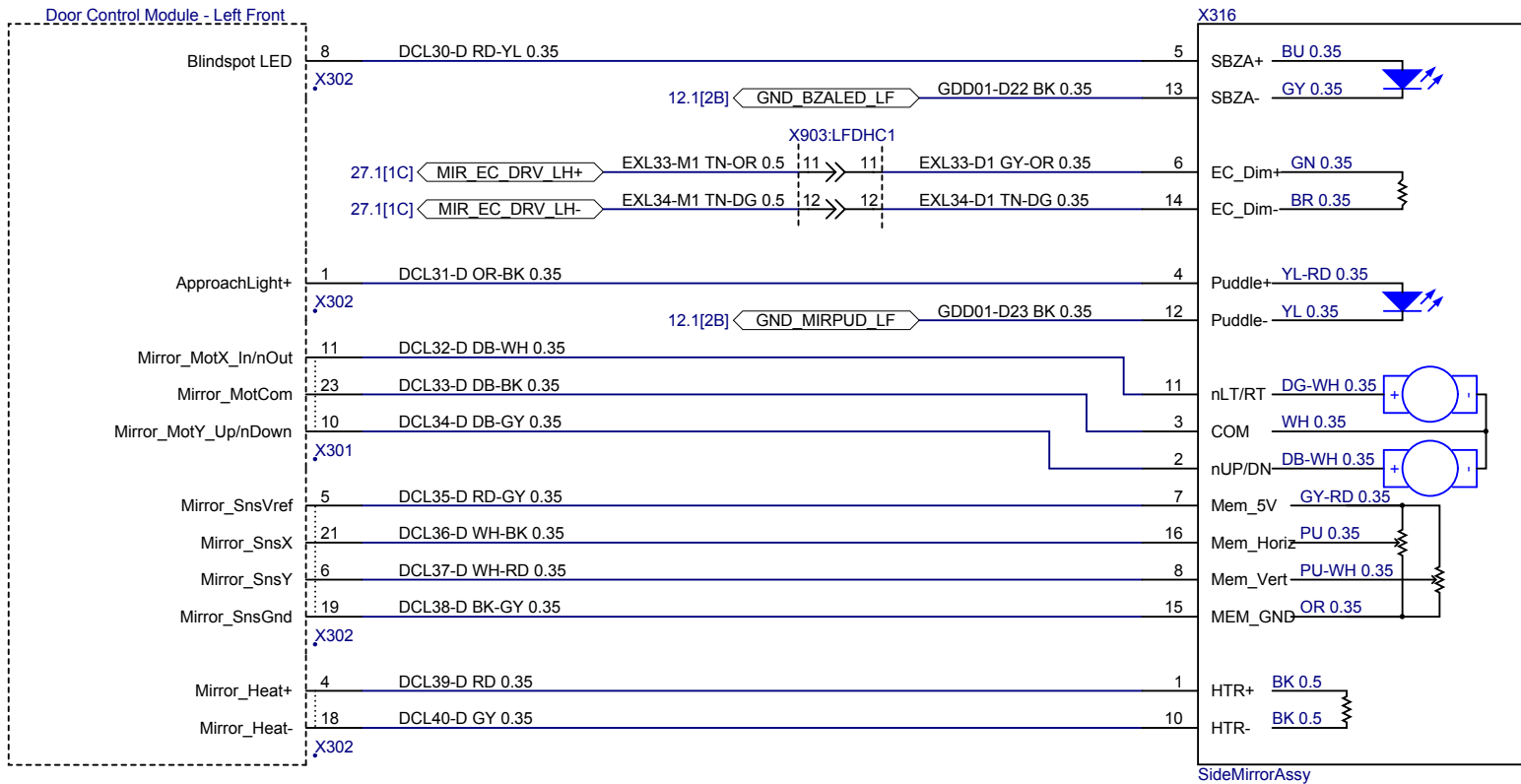


PROJECT NAME: Model S Wiring Diagram: LHD		PHASE: SOP(2012)	
SHEET NAME: Windscreen Wiper, Rain Sensor			
ITEM NO. 1004573-00-D	REVISION: 09 (final)	DATE: 5/13/2014	
DO NOT SCALE		SHEET 25.1	

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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.

TESLA

PROJECT NAME: **Model S Wiring Diagram: LHD** PHASE: **SOP(2012)**

SHEET NAME: **Side Mirror Interface - Left**

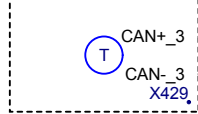
ITEM NO. **1004573-00-D** REVISION: **09 (final)** DATE: **5/13/2014**

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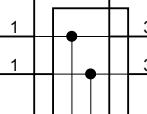
SHEET 31.1

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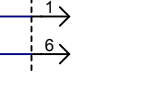
Center Display



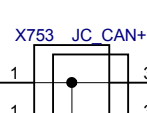
X733 - JC_CAN+



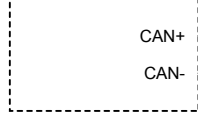
X437: CAN DIAG



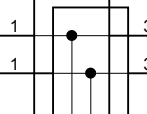
X734 - JC_CAN-



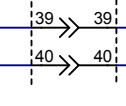
Charger1



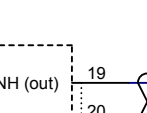
X753 - JC_CAN+



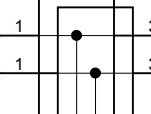
X961:WWMB2



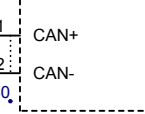
X754 - JC_CAN-



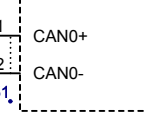
X725 - JC_CAN+



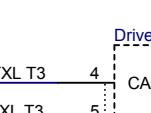
DC-DC / HVJB



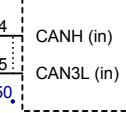
Thermal Controller



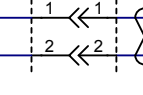
X726 - JC_CAN-



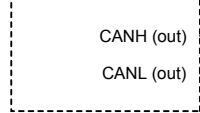
Drive Inverter



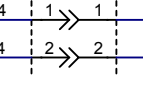
X939: RSFHCR1



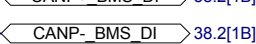
Drive Inverter



X907: RSFHCL1



CANP+ BMS_DI 38.2[1B]



CANP- BMS_DI 38.2[1B]



TESLA

PROJECT NAME: Model S Wiring Diagram: LHD PHASE: SOP(2012)

SHEET NAME: PT CAN Network 1/2

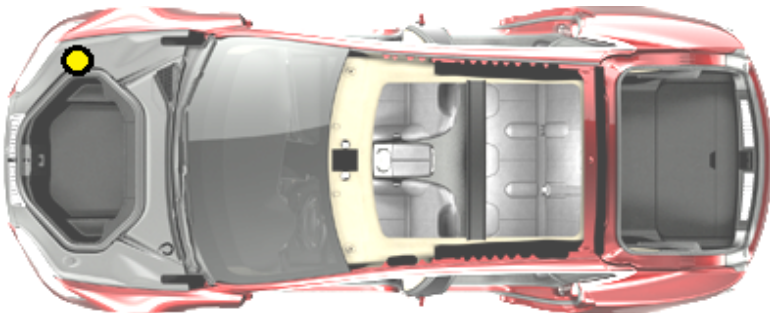
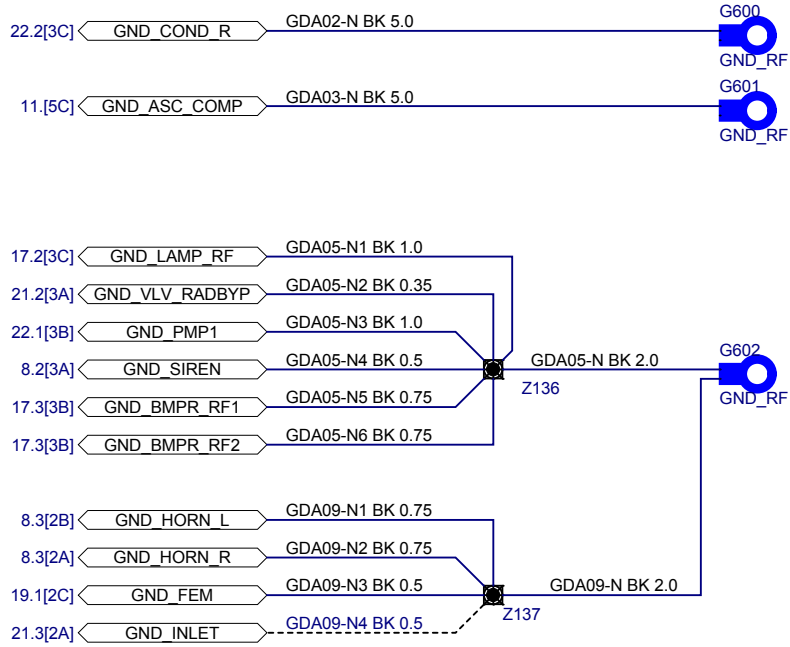
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SHEET 38.1

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RF Ground Point - Forward of Wheel



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TESLA

PROJECT NAME: Model S Wiring Diagram: LHD PHASE: SOP(2012)

SHEET NAME: Ground Distribution - Right Front

ITEM NO. 1004573-00-D REVISION: 09 (final) DATE: 5/13/2014

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SHEET 42.1