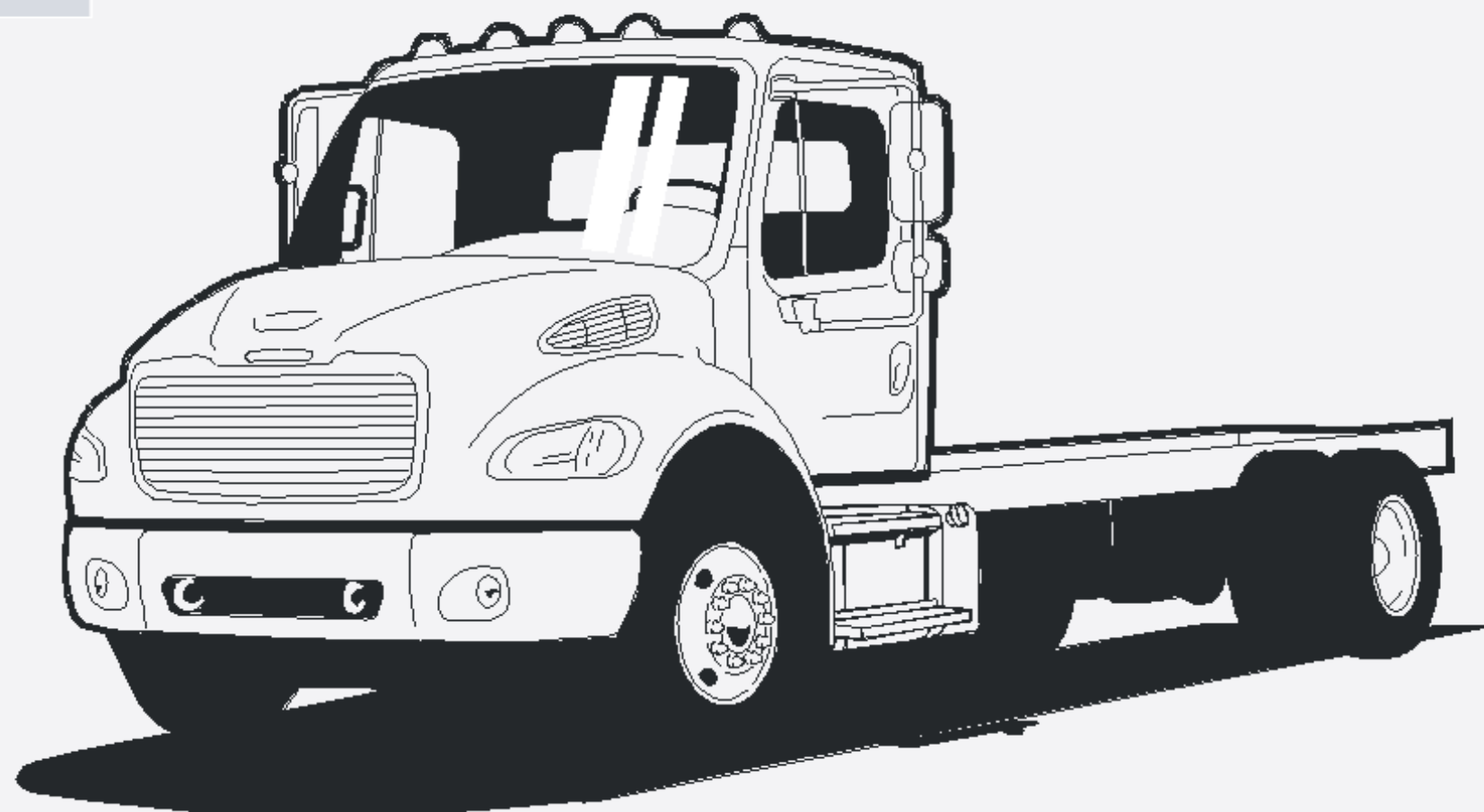


SERVICE TRAINING ACADEMY

DAIMLER TRUCKS NORTH AMERICA

BUSINESS CLASS M2

Page #	Drawing #	Description
1	G06-72991-000	POWER DIST
2	G06-81114-000	WRG-Grounding M2
3	G06-74143-000	WRG-HVAC Main M2
4	G06-47049-000	Ext Lighting, Headlamps
5	G06-43139-000	Ext Lighting, Markers
6	G06-43137-000	WRG-LT, TRN, SP
7	G06-72977-000	WRG-DIM, Instrument CLST,2010
8	G06-73297-000	DWG-WRG, ST SP,M2 EPA 2010
9	G06-47788-000	WRG-LT RDLP, Fog Road Lamps
10	G06-40178-000	Smart Switches
11	G06-71904-000	WRG-Datalink, DIGN, 2010
12	G06-59559-000	WRG-ENG Ctrl, CUM, M2
13	G06-40556-000	WRG-HTD Mirror, M2
14	G06-49893-000	WRG-SEM MOD,3 SMART SWITCHES
15	G06-42213-000	WRG-PTO Controls, M2
16	G06-79891-000	WRG-PTO, PNEU PTO, M2, EPA2010
17	G06-71833-000	WRG-MUX CTRL, Gateway
18	G06-44429-000	WRG-BK SVCE HYD, Hydromax



POWER DISTRIBUTION SYSTEM-EPA2010
PNEUMATIC/HYDRAULIC (PWR)

RELEASE NUMBER	REV LTR	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P33964-04	-	-	INITIAL RELEASE	RWE	11/03/08	MLC
P39670-11	A	D8	WAS NEGAFUSE JB, IS PWR NET DIST BOX	MND	04/07/10	GAP

D

C

B

A

D

C

B

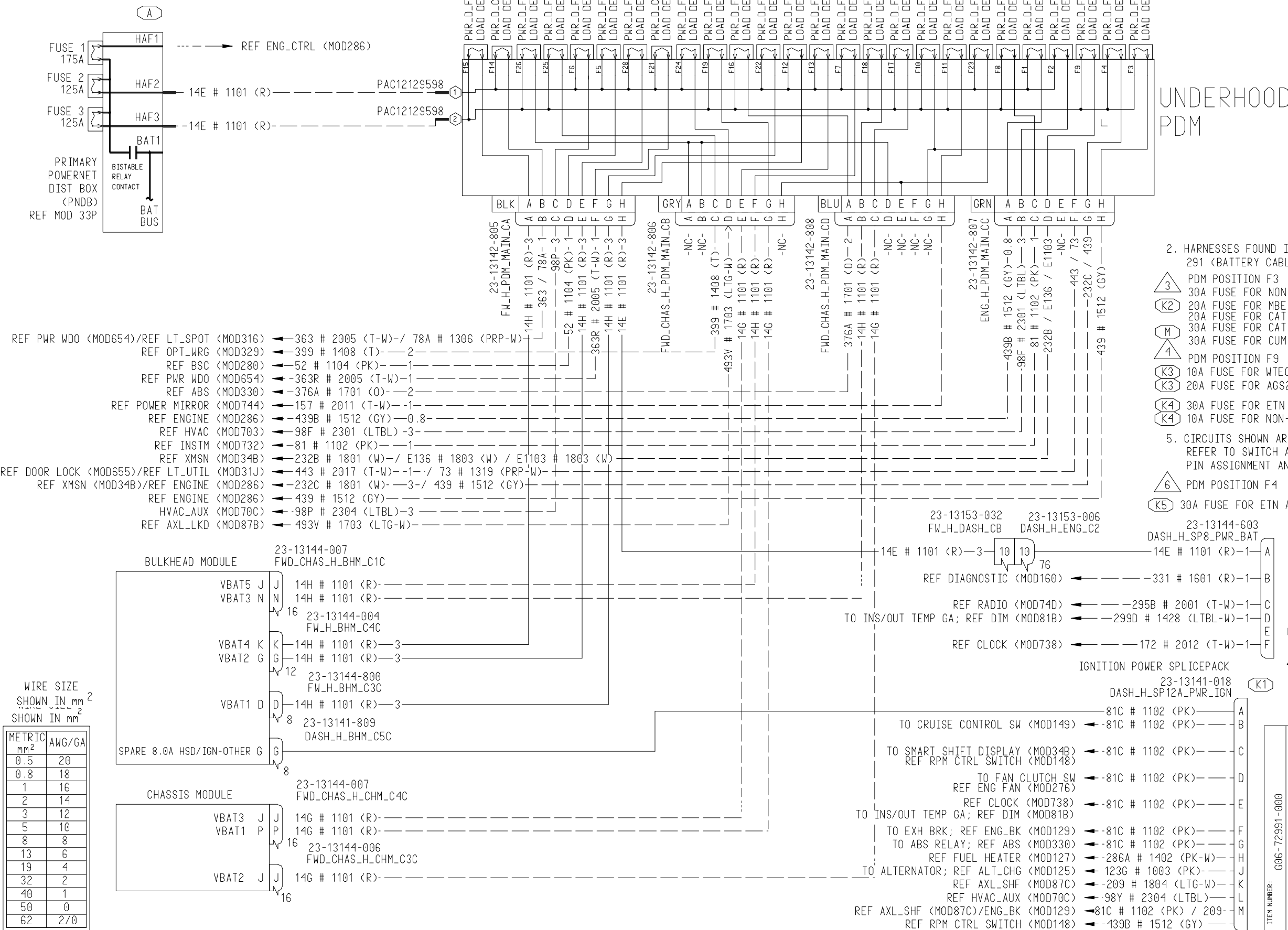
A

sheet 1
schematic

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PLOT DATE = xx/xx/xx/ xx:xx:xx

D-SIZE



UNDERHOOD
PDM

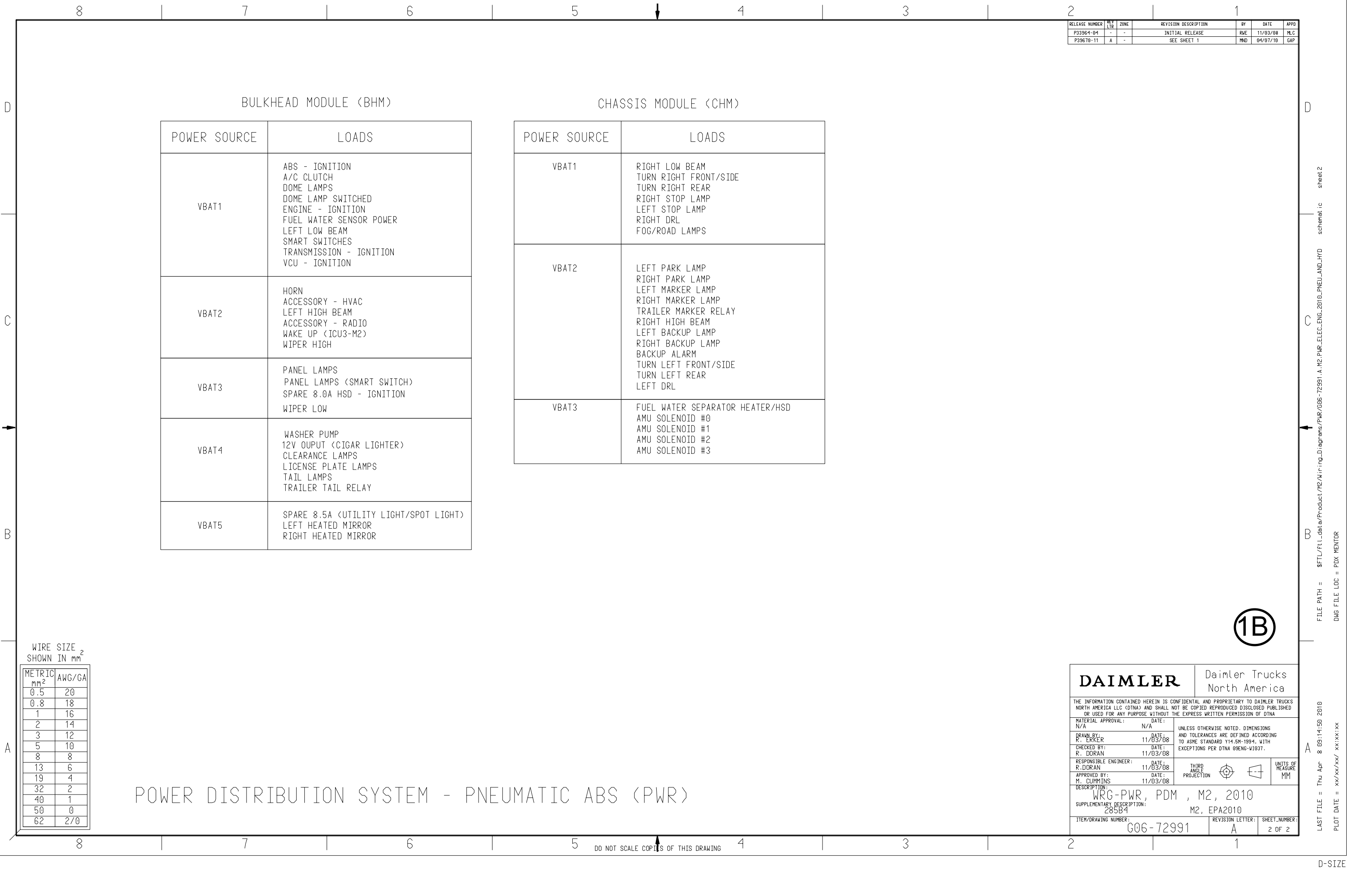
1A

2. HARNESSES FOUND IN MODULES 286 (ENGINE), 288 (FWD CHASSIS), 291 (BATTERY CABLES), 320 (DASH) AND 321 (FRONT WALL)
- PDM POSITION F3
30A FUSE FOR NON-ACERT CAT3126 ENG ECU
20A FUSE FOR MBE EGR & NON-EGR ENG ECU
20A FUSE FOR CAT C7/C9 ACERT ENG ECU
30A FUSE FOR CAT C11/C13 AND C15/C17 ACERT ENG ECU
30A FUSE FOR CUM ISC ENG ECU
- PDM POSITION F9
10A FUSE FOR WTEC TRANS ECU WITH NON-ACERT & NON-EGR ENG
20A FUSE FOR AGS2 TRANS ECU WITH NON-ACERT & NON-EGR ENG
30A FUSE FOR ETN AUTOSHIFT TRANS ECU W/ ACERT ENG & MBE EGR
10A FUSE FOR NON-ETN AUTOSHIFT TRANS ECU W/ ACERT ENG & MBE EGR
5. CIRCUITS SHOWN ARE FOR REFERENCE ONLY, REFER TO SWITCH AND GAUGE REPORT FOR ACTUAL PIN ASSIGNMENT AND ASSOCIATED CIRCUIT NUMBER
- PDM POSITION F4
30A FUSE FOR ETN AUTOSHIFT TRANS ECU WITH NON-ACERT & NON-EGR ENG
- 23-13144-603 DASH_H.SP8_PWR_BAT
K5 OPEN SPARE SLOT FOR NON-ACERT & NON-EGR ENG WITH NON-ETN AUTOSHIFT TRANS
K6 OPEN SPARE SLOT FOR MBE EGR ENG
20A FUSE FOR CAT C7/C9 ACERT ENG ECU
OPEN SPARE SLOT FOR CAT C11/C13 AND C15/C17 ACERT ENG
G PDM POSITION F1
K7 10A FUSE FOR MBE EGR & NON-EGR ENG VCU
OPEN SPARE SLOT FOR NON-ACERT CAT3126 ENG
K8 OPEN SPARE SLOT FOR ACERT ENG

WIRE SIZE SHOWN IN mm ² SHOWN IN mm	
METRIC mm ²	AWG/GA
0.5	20
0.8	18
1	16
2	14
3	12
5	10
8	8
13	6
19	4
32	2
40	1
50	0
62	2/0

ITEM NUMBER: G06-72991-000		DESCRIPTION: WRG-PWR, PDM, M2, 2010	
DAIMLER		Daimler Trucks North America	
THE INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND PROPRIETARY TO DAIMLER TRUCKS NORTH AMERICA LLC (DTNA) AND SHALL NOT BE COPIED, REPRODUCED, DISCLOSED, PUBLISHED OR USED FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN PERMISSION OF DTNA			
MATERIAL APPROVAL: N/A		DATE: 11/03/08	
DRAWN BY: R. EKKER		DATE: 11/03/08	
CHECKED BY: R. DORAN		DATE: 11/03/08	
RESPONSIBLE ENGINEER: R. DORAN		DATE: 11/03/08	
APPROVED BY: M. CUMMINS		DATE: 11/03/08	
DESCRIPTION: WRG-PWR, PDM, M2, 2010		THIRD ANGLE PROJECTION	
SUPPLEMENTARY DESCRIPTION: 285B4		M2, EPA2010	
ITEM/DRAWING NUMBER: G06-72991		REVISION LETTER: A	
SHEET NUMBER: 1 OF 2			

DO NOT SCALE COPIES OF THIS DRAWING



RELEASE NUMBER	REV LTR	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P33964-04	-	-	INITIAL RELEASE	RWE	11/03/08	MLC
P39670-11	A	-	SEE SHEET 1	MND	04/07/10	GAP

POWER SOURCE	LOADS
VBAT1	ABS - IGNITION A/C CLUTCH DOME LAMPS DOME LAMP SWITCHED ENGINE - IGNITION FUEL WATER SENSOR POWER LEFT LOW BEAM SMART SWITCHES TRANSMISSION - IGNITION VCU - IGNITION
VBAT2	HORN ACCESSORY - HVAC LEFT HIGH BEAM ACCESSORY - RADIO WAKE UP (ICU3-M2) WIPER HIGH
VBAT3	PANEL LAMPS PANEL LAMPS (SMART SWITCH) SPARE 8.0A HSD - IGNITION WIPER LOW
VBAT4	WASHER PUMP 12V OUPUT (CIGAR LIGHTER) CLEARANCE LAMPS LICENSE PLATE LAMPS TAIL LAMPS TRAILER TAIL RELAY
VBAT5	SPARE 8.5A (UTILITY LIGHT/SPOT LIGHT) LEFT HEATED MIRROR RIGHT HEATED MIRROR

POWER SOURCE	LOADS
VBAT1	RIGHT LOW BEAM TURN RIGHT FRONT/SIDE TURN RIGHT REAR RIGHT STOP LAMP LEFT STOP LAMP RIGHT DRL FOG/ROAD LAMPS
VBAT2	LEFT PARK LAMP RIGHT PARK LAMP LEFT MARKER LAMP RIGHT MARKER LAMP TRAILER MARKER RELAY RIGHT HIGH BEAM LEFT BACKUP LAMP RIGHT BACKUP LAMP BACKUP ALARM TURN LEFT FRONT/SIDE TURN LEFT REAR LEFT DRL
VBAT3	FUEL WATER SEPARATOR HEATER/HSD AMU SOLENOID #0 AMU SOLENOID #1 AMU SOLENOID #2 AMU SOLENOID #3

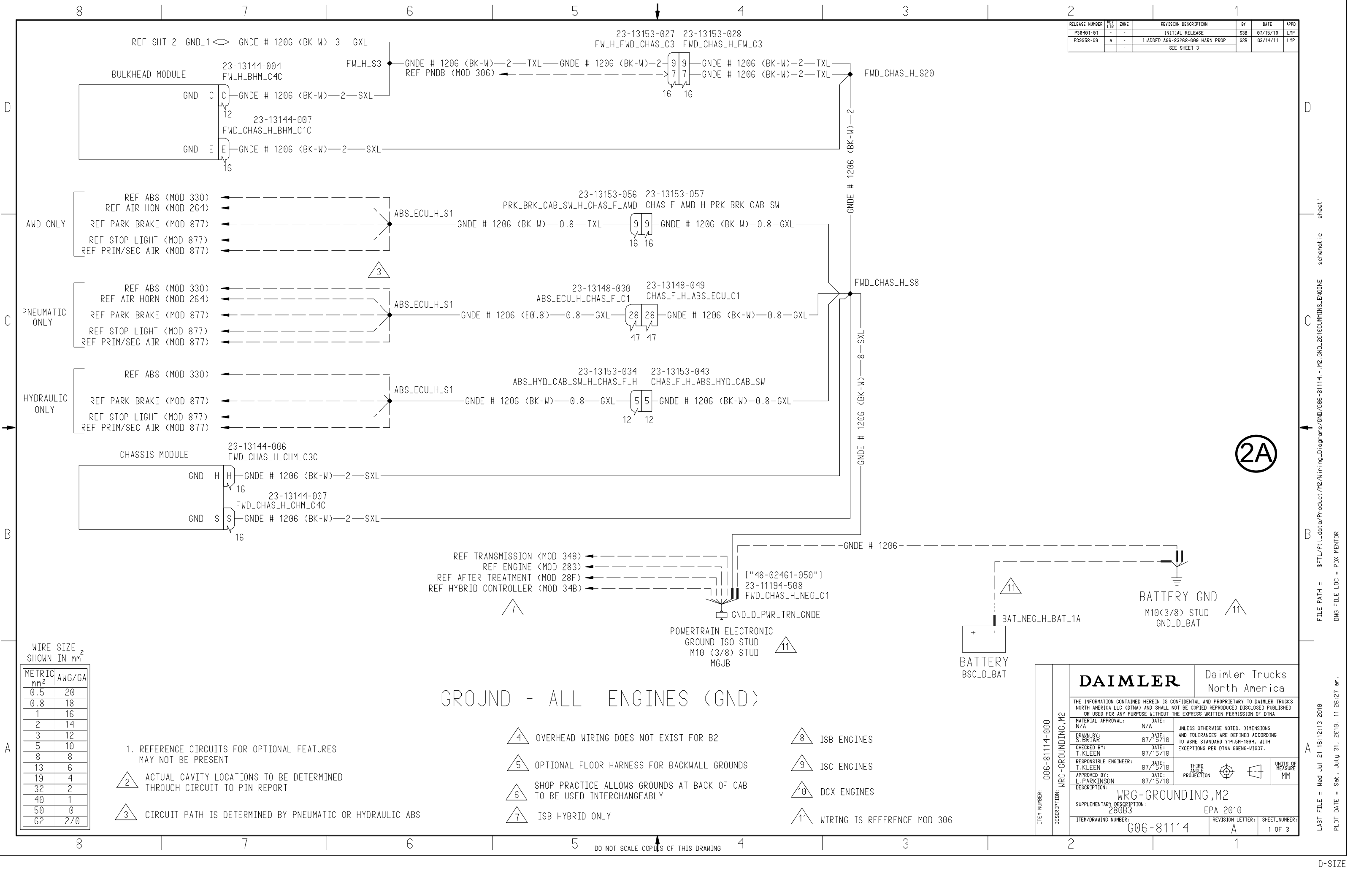
WIRE SIZE
SHOWN IN mm²

METRIC mm ²	AWG/GA
0.5	20
0.8	18
1	16
2	14
3	12
5	10
8	8
13	6
19	4
32	2
40	1
50	0
62	2/0

POWER DISTRIBUTION SYSTEM - PNEUMATIC ABS (PWR)

DAIMLER		Daimler Trucks North America	
THE INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND PROPRIETARY TO DAIMLER TRUCKS NORTH AMERICA LLC (DTNA) AND SHALL NOT BE COPIED REPRODUCED DISCLOSED PUBLISHED OR USED FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN PERMISSION OF DTNA			
MATERIAL APPROVAL: N/A		DATE: N/A	
DRAWN BY: R. ERKER		DATE: 11/03/08	
CHECKED BY: R. DORAN		DATE: 11/03/08	
RESPONSIBLE ENGINEER: R. DORAN		DATE: 11/03/08	
APPROVED BY: M. CUMMINS		DATE: 11/03/08	
DESCRIPTION: WRG-PWR, PDM , M2, 2010 SUPPLEMENTARY DESCRIPTION: 285B4		UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ASME STANDARD Y14.5M-1994, WITH EXCEPTIONS PER DTNA 09ENG-V1037.	
ITEM/DRAWING NUMBER: G06-72991		REVISION LETTER: A	
SHEET NUMBER: 2 OF 2		UNITS OF MEASURE: MM	

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LAST FILE = Thu Apr 8 09:14:50 2010
PLOT DATE = xx/xx/xx/ xx:xx:xx

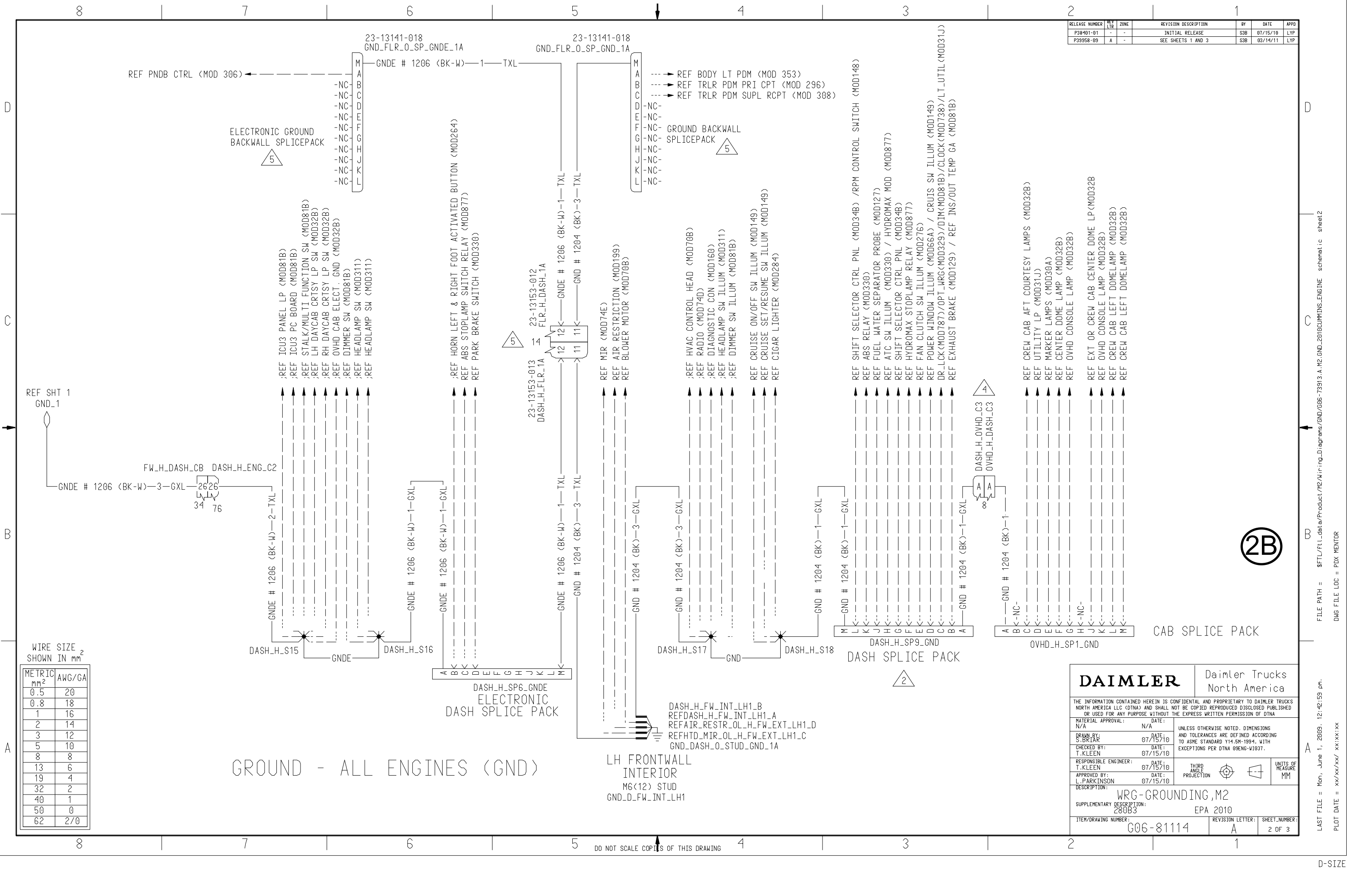


RELEASE NUMBER	REV LTR	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P38401-01	-	-	INITIAL RELEASE	S3B	07/15/10	LYP
P39958-09	A	-	1-ADDED A06-83268-000 HARN PROP	S3B	03/14/11	LYP
	-	-	SEE SHEET 3			

sheet 1
schematic
\$FTL/ft_L_data/Product/H2/Wiring-Diagrams/GND/G06-81114-000.M2.GND.2010CUMMINS_ENGINE

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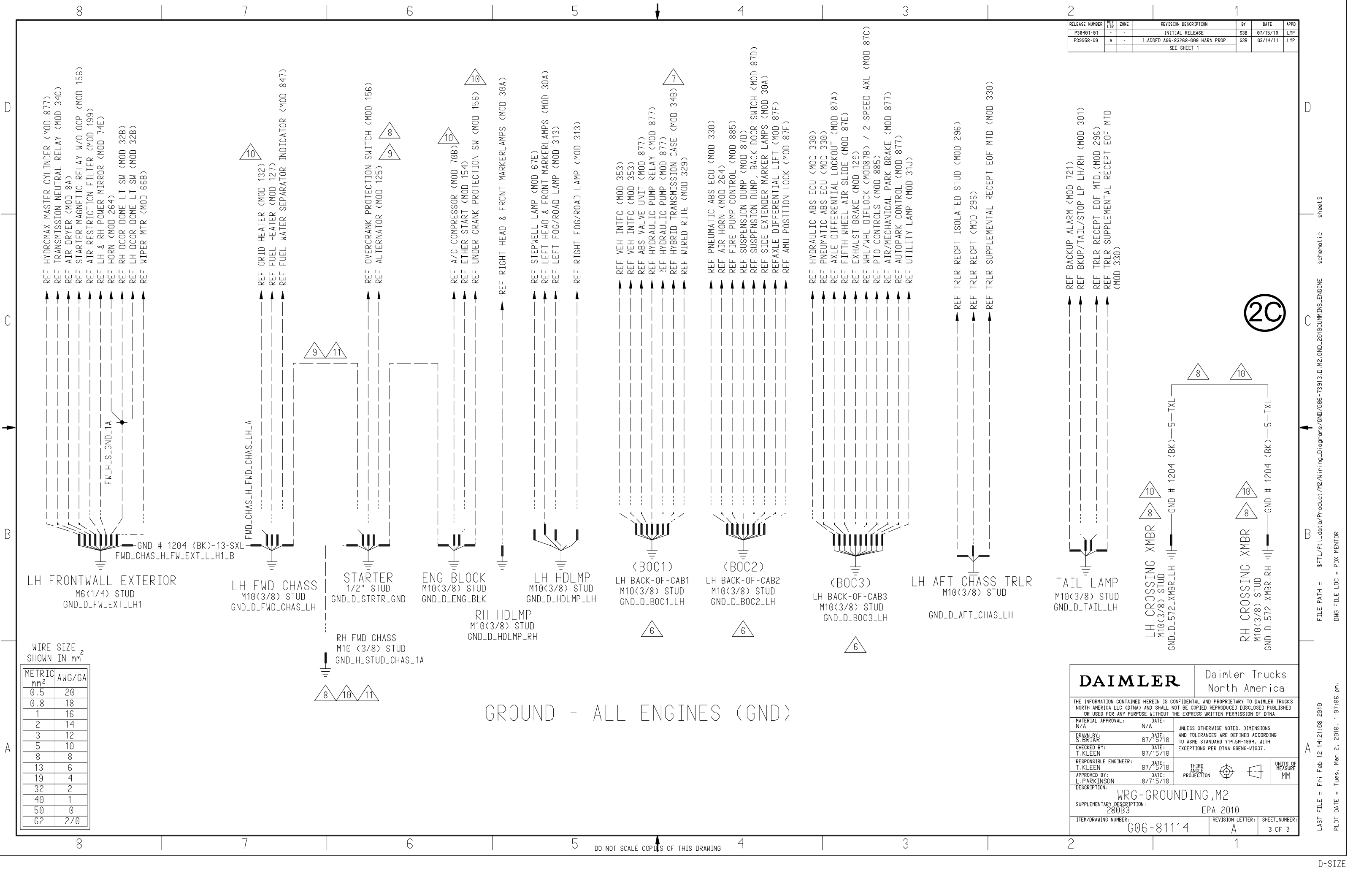


RELEASE NUMBER	REV LTR	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P38401-01	-	-	INITIAL RELEASE	S3B	07/15/10	LYP
P39958-09	A	-	SEE SHEETS 1 AND 3	S3B	03/14/11	LYP

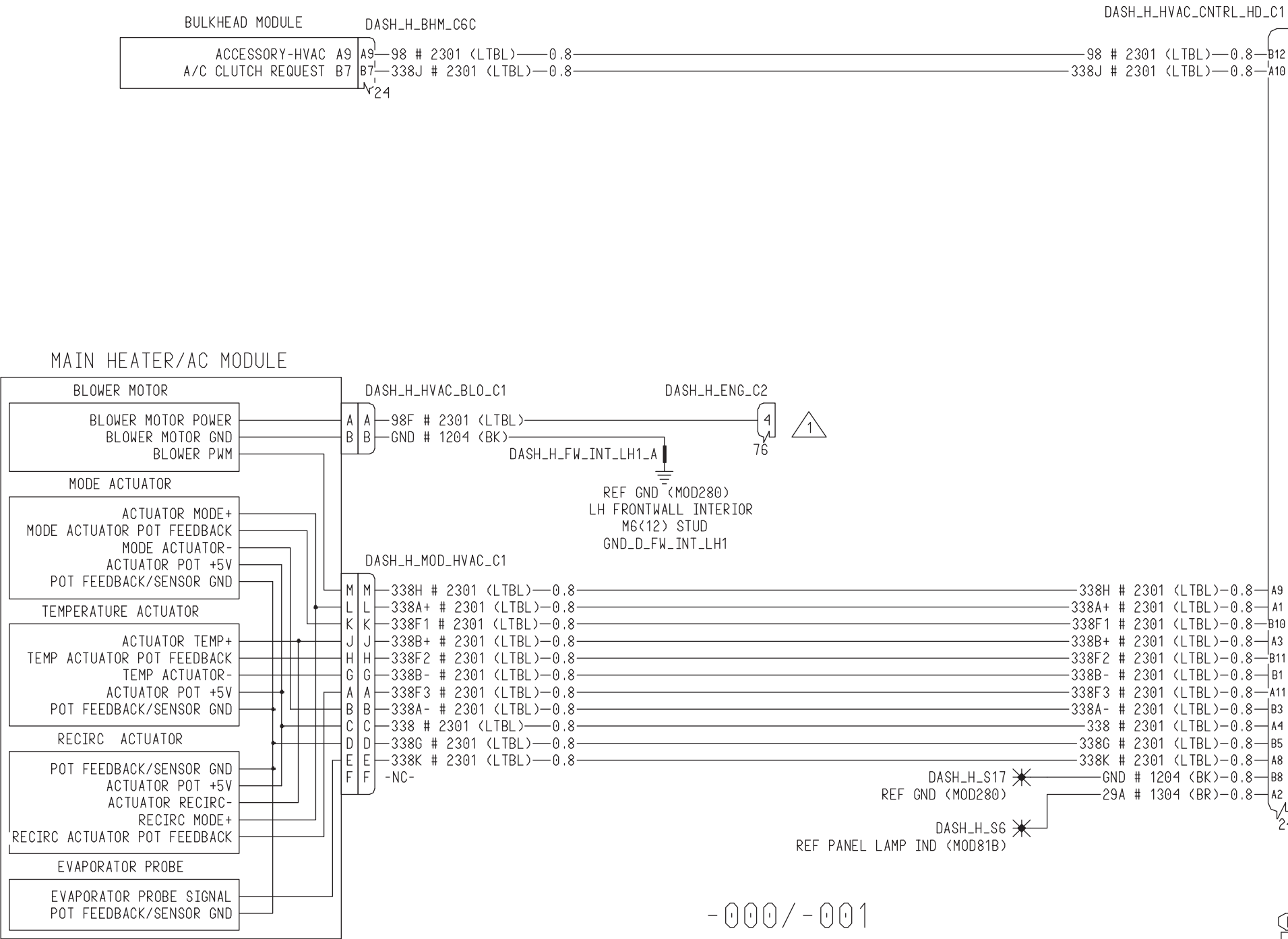
METRIC mm ²	AWG/GA
0.5	20
0.8	18
1	16
2	14
3	12
5	10
8	8
13	6
19	4
32	2
40	1
50	0
62	2/0

DAIMLER		Daimler Trucks North America	
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MATERIAL APPROVAL: N/A	DATE: N/A	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ASME STANDARD Y14.5M-1994, WITH EXCEPTIONS PER DTNA 09ENG-V1037.	
DRAWN BY: S. BRIAR	DATE: 07/15/10	THIRD ANGLE PROJECTION	
CHECKED BY: T. KLEEN	DATE: 07/15/10		
RESPONSIBLE ENGINEER: T. KLEEN	DATE: 07/15/10	UNITS OF MEASURE MM	
APPROVED BY: L. PARKINSON	DATE: 07/15/10		
DESCRIPTION: WRG-GROUNDING, M2			
SUPPLEMENTARY DESCRIPTION: 280B3			
ITEM/DRAWING NUMBER: G06-81114		REVISION LETTER: A	SHEET NUMBER: 2 OF 3

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DWG FILE LOC = PDX MENTOR



RELEASE NUMBER	REV LTR	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P35682-07	-	-	INITIAL RELEASE	M1L	01/10/09	PC
P33964-04	A	ALL	ADDED HARN A06-71941-000	RWE	03/24/09	SDL
P39092-01	B	-	UPDATED BOARDER	GLH	01/21/10	PCB
	3A		2:ADDED -002			
	-		SEE SHEET 4			

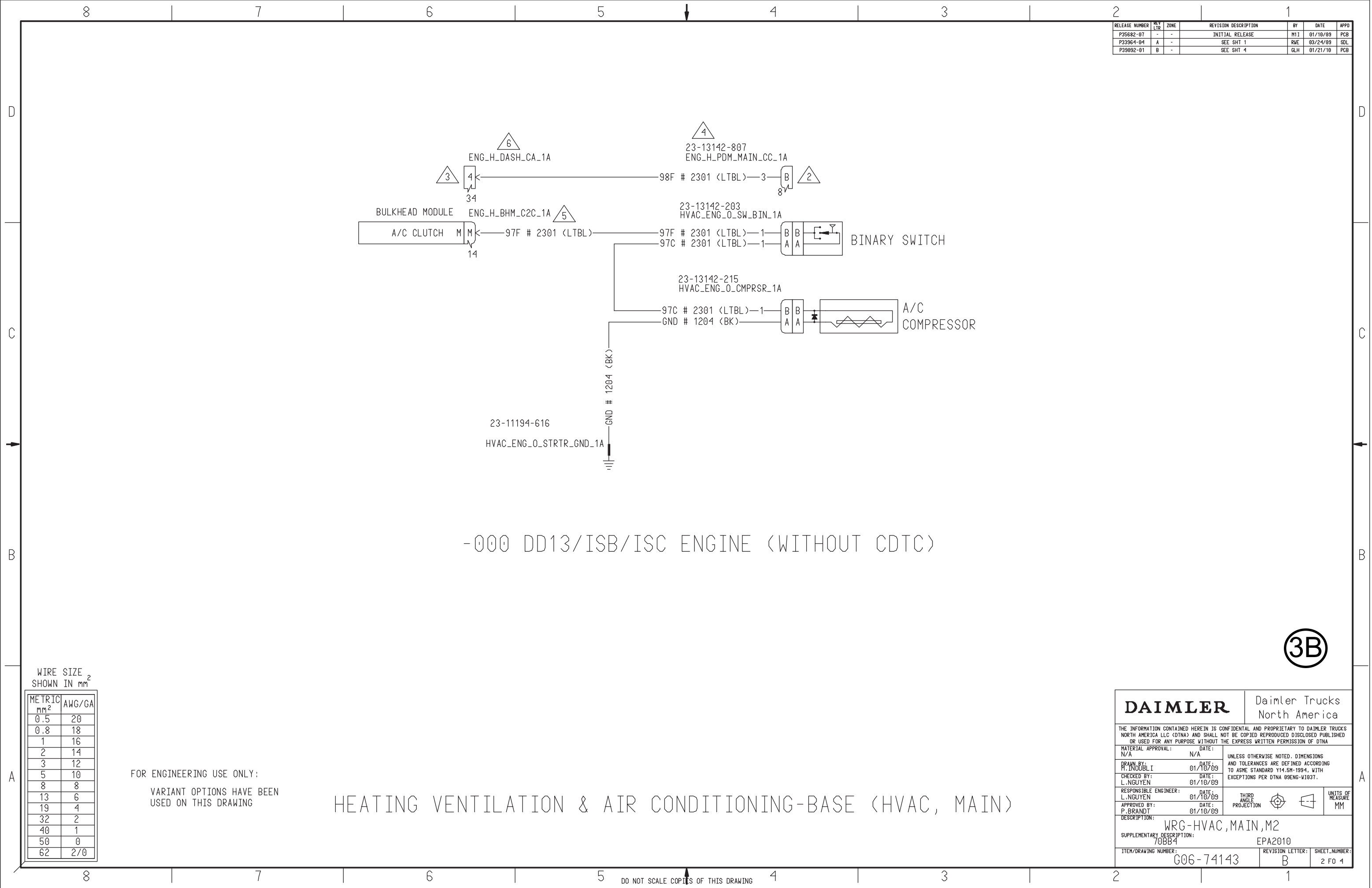


- 1 ENGINE AND OPTION DEPENDENT, SEE SHEET 2,3
- 2 BLOWER MOTOR IS PROTECTED WITH 30 AMP FUSE HEATER AND AIR CONDITION
- 3 CIRCUIT 98F, SEE SHEET 1, FLAG NOTE 1

- 4 REF_DES SHOWN IS SAME AS ENG_H-PDM.MAIN_CC
- 5 REF_DES SHOWN IS SAME AS ENG_H-BHM.C2C
- 6 REF_DES SHOWN IS SAME AS ENG_H-DASH_CA

- 7 CIRCUIT 98Z CAVITY SHOWN ARE FOR REFERENCE ONLY. REFER TO CTP FOR ACTUAL PIN ASSIGNMENT.
- 8 CIRCUIT 98Z PROVISION FOR AUX HVAC, REFER MOD 70C.

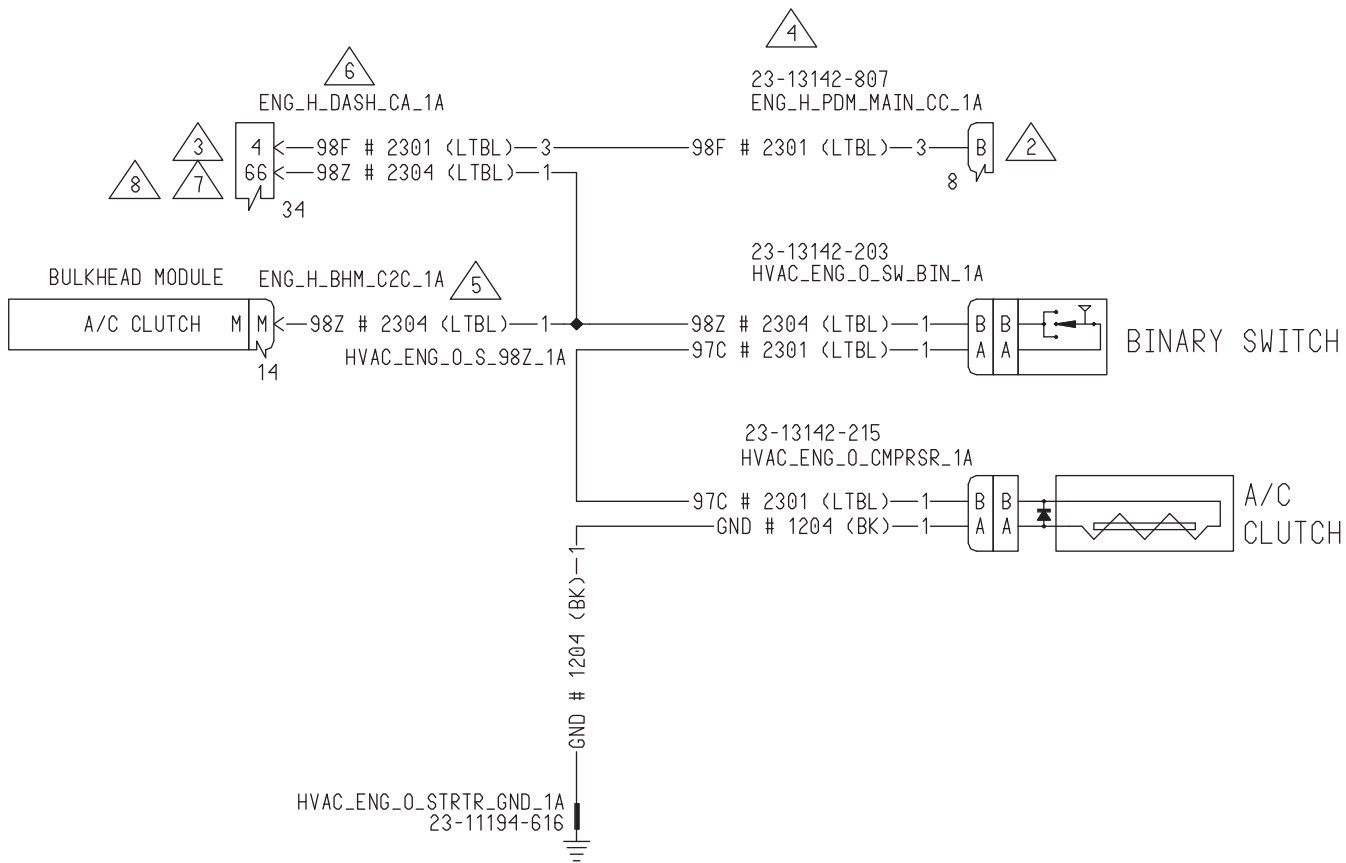
3A



RELEASE NUMBER	REV LTR	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P35682-07	-	-	INITIAL RELEASE	M11	01/10/09	PCB
P33964-04	A	-	SEE SHT 1	RWE	03/24/09	SDL
P39092-01	B	-	SEE SHT 4	GLH	01/21/10	PCB

DAIMLER		Daimler Trucks North America	
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MATERIAL APPROVAL: N/A		DATE: N/A	
DRAWN BY: M. INOUBI		UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ASME STANDARD Y14.5M-1994, WITH EXCEPTIONS PER DTNA 09ENG-W1037.	
CHECKED BY: L. NGUYEN		DATE: 01/10/09	
RESPONSIBLE ENGINEER: L. NGUYEN		DATE: 01/10/09	
APPROVED BY: P. BRANDT		DATE: 01/10/09	
DESCRIPTION:		THIRD ANGLE PROJECTION	UNITS OF MEASURE MM
WRG-HVAC , MAIN, M2			
SUPPLEMENTARY DESCRIPTION: 70BB4		EPA2010	
ITEM/DRAWING NUMBER: G06-74143		REVISION LETTER: B	
		SHEET NUMBER: 2 FO 4	

RELEASE NUMBER	REV LTR	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P35682-07	-	-	INITIAL RELEASE	M11	01/10/09	PCB
P33964-04	A	-	SEE SHT 1	RWE	03/24/09	SDL
P39892-01	B	-	SEE SHT 4	GLH	01/21/10	PCB



-001 DD13/ISB/ISC ENGINE (WITH CDTC)

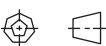
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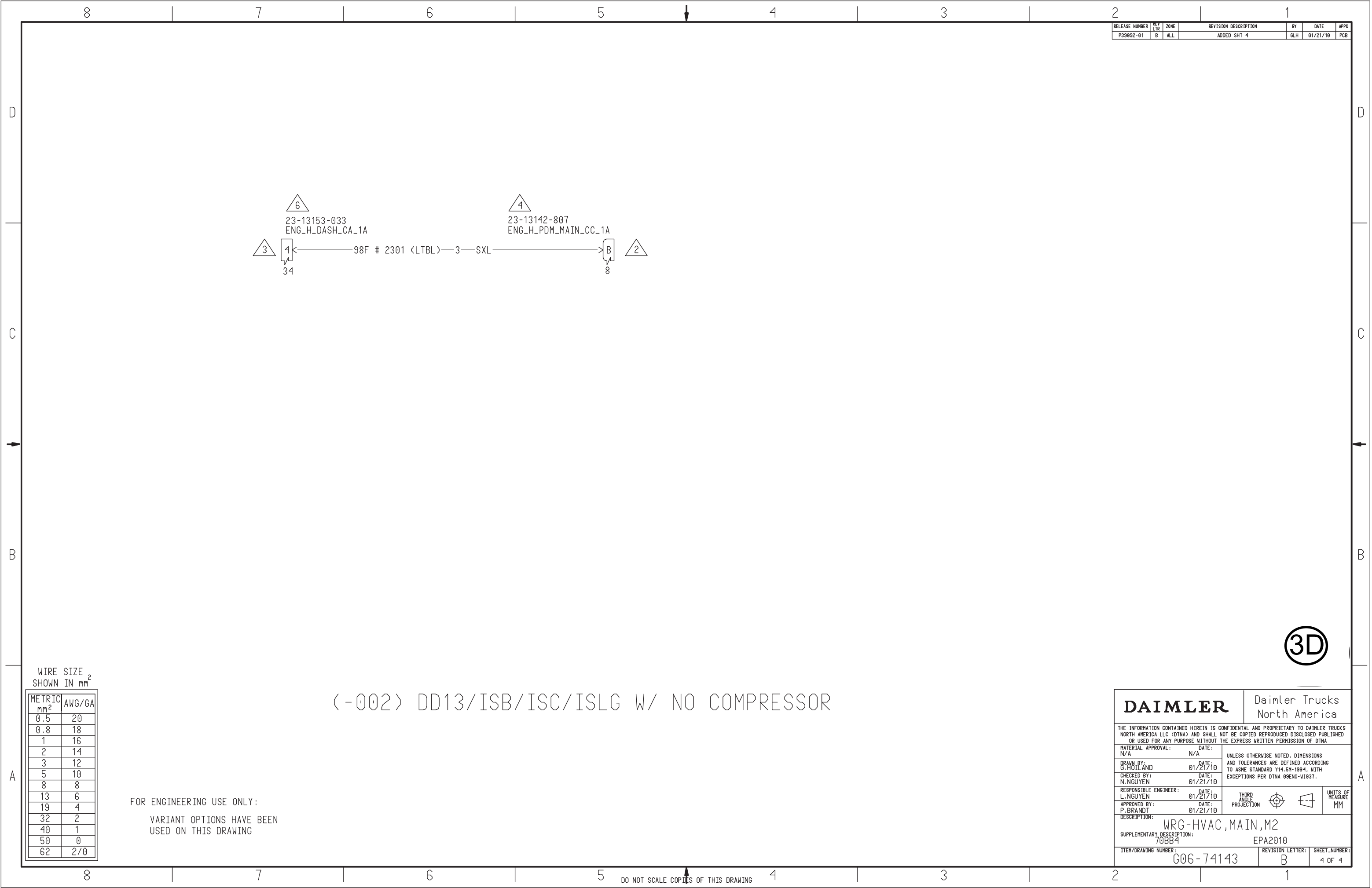
WIRE SIZE
SHOWN IN mm²

METRIC mm ²	AWG/GA
0.5	20
0.8	18
1	16
2	14
3	12
5	10
8	8
13	6
19	4
32	2
40	1
50	0
62	2/0

FOR ENGINEERING USE ONLY:
VARIANT OPTIONS HAVE BEEN
USED ON THIS DRAWING

HEATING VENTILATION & AIR CONDITIONING-BASE (HVAC, MAIN & AUX)

DAIMLER		Daimler Trucks North America	
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MATERIAL APPROVAL: N/A	DATE: N/A	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ASME STANDARD Y14.5M-1994, WITH EXCEPTIONS PER DTNA 09ENG-V1037.	
DRAWN BY: M. INOUBI	DATE: 01/10/09	THIRD ANGLE PROJECTION	
CHECKED BY: N. NGUYEN	DATE: 01/10/09		
RESPONSIBLE ENGINEER: L. NGUYEN	DATE: 01/10/09	 UNITS OF MEASURE MM	
APPROVED BY: P. BRANDT	DATE: 01/10/09		
DESCRIPTION: WRG-HVAC, MAIN, M2			
SUPPLEMENTARY DESCRIPTION: 70BB4		EPA2010	
ITEM/DRAWING NUMBER: G06-74143		REVISION LETTER: B	SHEET NUMBER: 3 OF 4



RELEASE NUMBER	REV LTR	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P39092-01	B	ALL	ADDED SHT 4	GLH	01/21/10	PCB

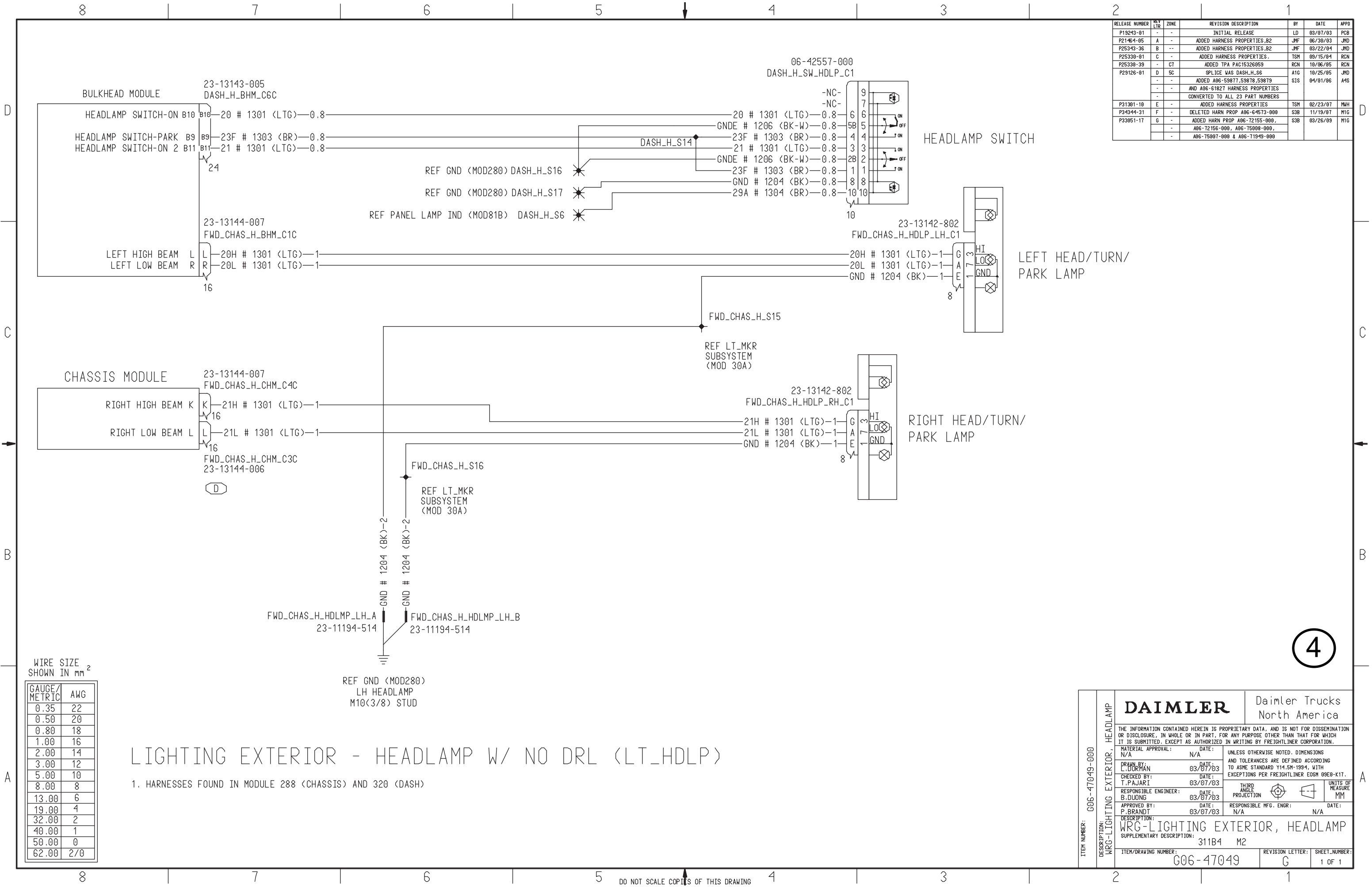
WIRE SIZE²
SHOWN IN mm²

METRIC mm ²	AWG/GA
0.5	20
0.8	18
1	16
2	14
3	12
5	10
8	8
13	6
19	4
32	2
40	1
50	0
62	2/0

FOR ENGINEERING USE ONLY:
VARIANT OPTIONS HAVE BEEN
USED ON THIS DRAWING

(-002) DD13/ISB/ISC/ISLG W/ NO COMPRESSOR

DAIMLER		Daimler Trucks North America		
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MATERIAL APPROVAL: N/A	DATE: N/A	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ASME STANDARD Y14.5M-1994, WITH EXCEPTIONS PER DTNA 09ENG-V1037.		
DRAWN BY: G.HOLLAND	DATE: 01/21/10			
CHECKED BY: N.NGUYEN	DATE: 01/21/10			
RESPONSIBLE ENGINEER: L.NGUYEN	DATE: 01/21/10	THIRD ANGLE PROJECTION		UNITS OF MEASURE MM
APPROVED BY: P.BRANDT	DATE: 01/21/10			
DESCRIPTION: WRG-HVAC , MAIN, M2 70BB4		EPA2010		
ITEM/DRAWING NUMBER: G06-74143	REVISION LETTER: B		SHEET NUMBER: 4 OF 4	



RELEASE NUMBER	REV	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P19243-01	-	-	INITIAL RELEASE	LD	03/07/03	PCB
P21464-05	A	-	ADDED HARNESS PROPERTIES,B2	JMF	06/30/03	JMD
P25343-36	B	--	ADDED HARNESS PROPERTIES,B2	JMF	03/22/04	JMD
P25330-01	C	-	ADDED HARNESS PROPERTIES,	TSM	09/15/04	RCN
P25330-39	-	C7	ADDED TPA PAC15326059	RCN	10/06/05	RCN
P29126-01	D	SC	SPLICE WAS DASH.H.S6	ATG	10/25/05	JMD
-	-	-	ADDED A06-59877,59878,59879	SIS	04/01/06	AIS
-	-	-	AND A06-61827 HARNESS PROPERTIES			
-	-	-	CONVERTED TO ALL 23 PART NUMBERS			
P31301-10	E	-	ADDED HARNESS PROPERTIES	TSM	02/23/07	MWH
P34344-31	F	-	DELETED HARN PROP A06-64573-000	S3B	11/19/07	M1G
P33051-17	G	-	ADDED HARN PROP A06-72155-000,	S3B	03/26/09	M1G
-	-	-	A06-72156-000, A06-75008-000,			
-	-	-	A06-75007-000 & A06-71949-000			

WIRE SIZE SHOWN IN mm ²	
GAUGE/METRIC	AWG
0.35	22
0.50	20
0.80	18
1.00	16
2.00	14
3.00	12
5.00	10
8.00	8
13.00	6
19.00	4
32.00	2
40.00	1
50.00	0
62.00	2/0

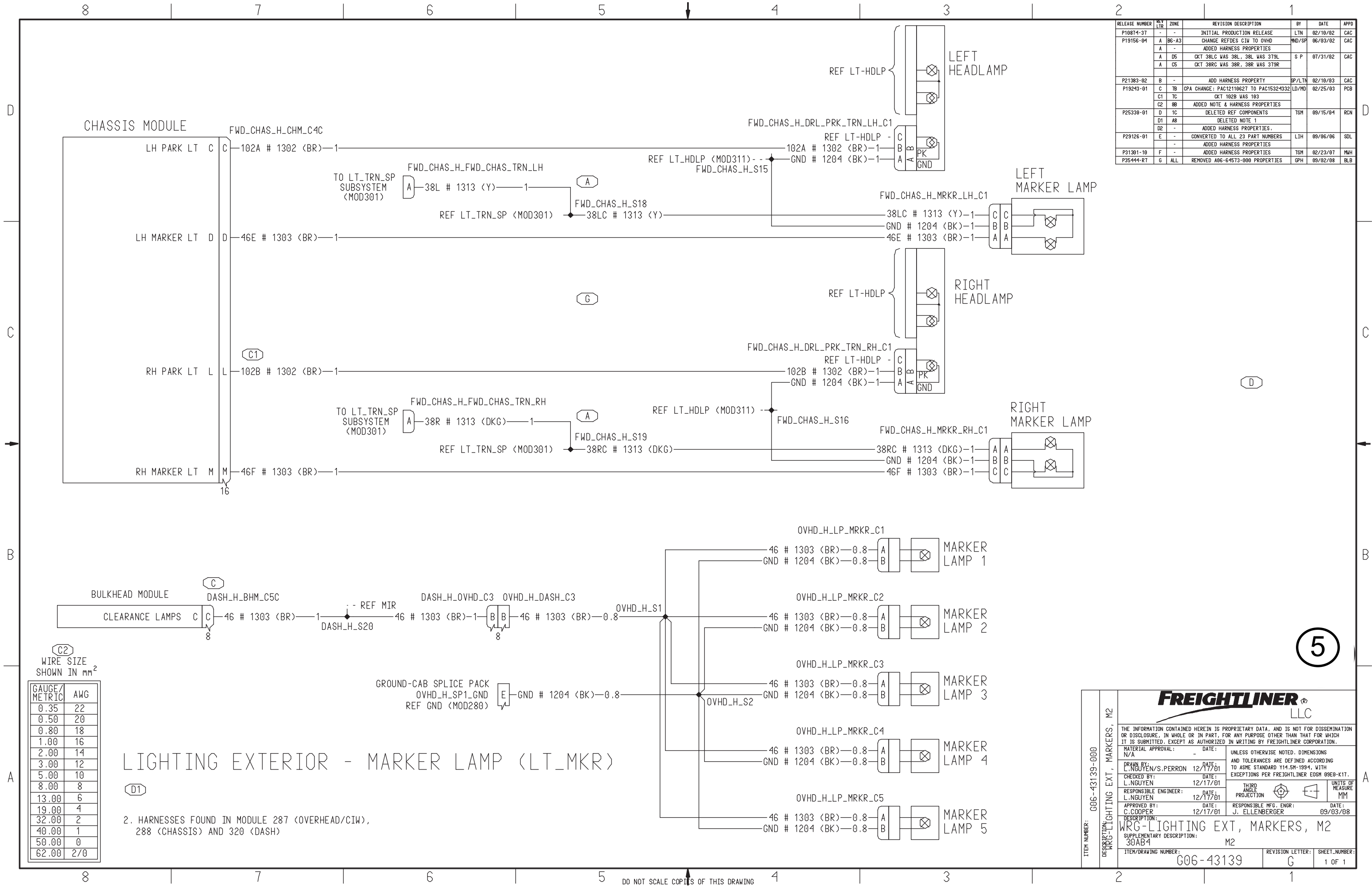
LIGHTING EXTERIOR - HEADLAMP W/ NO DRL (LT_HDLP)

1. HARNESSES FOUND IN MODULE 288 (CHASSIS) AND 320 (DASH)

ITEM NUMBER:
G06-47049-000

DESCRIPTION:
WRG-LIGHTING EXTERIOR, HEADLAMP

DAIMLER		Daimler Trucks North America	
THE INFORMATION CONTAINED HEREIN IS PROPRIETARY DATA, AND IS NOT FOR DISSEMINATION OR DISCLOSURE, IN WHOLE OR IN PART, FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUBMITTED, EXCEPT AS AUTHORIZED IN WRITING BY FREIGHTLINER CORPORATION.			
MATERIAL APPROVAL: N/A		DATE: N/A	
DRAWN BY: L.DURMAN		DATE: 03/07/03	
CHECKED BY: T.PAJARI		DATE: 03/07/03	
RESPONSIBLE ENGINEER: B.DUONG		DATE: 03/07/03	
APPROVED BY: P.BRANDT		DATE: 03/07/03	
DESCRIPTION: WRG-LIGHTING EXTERIOR, HEADLAMP		THIRD ANGLE PROJECTION	
SUPPLEMENTARY DESCRIPTION: 311B4 M2		UNITS OF MEASURE MM	
ITEM/DRAWING NUMBER: G06-47049		REVISION LETTER: G	
		SHEET NUMBER: 1 OF 1	



RELEASE NUMBER	REV LTR	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P10874-37	-	-	INITIAL PRODUCTION RELEASE	LTN	02/10/02	CAC
P19156-04	A	B6-A3	CHANGE REFDES CIW TO OVHD	ND/SP	06/03/02	CAC
	A	-	ADDED HARNESS PROPERTIES			
	A	D5	CKT 38LC WAS 38L, 38L WAS 379L	S P	07/31/02	CAC
	A	C5	CKT 38RC WAS 38R, 38R WAS 379R			
P21383-02	B	-	ADD HARNESS PROPERTY	SP/LTN	02/10/03	CAC
P19243-01	C	7B	CPA CHANGE: PAC12110627 TO PAC15324332	LD/ND	02/25/03	PCB
	C1	7C	CKT 102B WAS 103			
	C2	8B	ADDED NOTE & HARNESS PROPERTIES			
P25330-01	D	1C	DELETED REF COMPONENTS	TSM	09/15/04	RCN
	D1	A8	DELETED NOTE 1			
	D2	-	ADDED HARNESS PROPERTIES.			
P29126-01	E	-	CONVERTED TO ALL 23 PART NUMBERS	LTH	09/06/06	SOL
	-	-	ADDED HARNESS PROPERTIES			
P31301-10	F	-	ADDED HARNESS PROPERTIES	TSM	02/23/07	MWH
P35444-R7	G	ALL	REMOVED A06-64573-000 PROPERTIES	GPH	09/02/08	BLB

WIRE SIZE
SHOWN IN mm²

GAUGE/ METRIC	AWG
0.35	22
0.50	20
0.80	18
1.00	16
2.00	14
3.00	12
5.00	10
8.00	8
13.00	6
19.00	4
32.00	2
40.00	1
50.00	0
62.00	2/0

LIGHTING EXTERIOR - MARKER LAMP (LT_MKR)

D1

2. HARNESSES FOUND IN MODULE 287 (OVERHEAD/CIW),
288 (CHASSIS) AND 320 (DASH)

ITEM NUMBER: G06-43139-000

DESCRIPTION: WRG-LIGHTING EXT, MARKERS, M2

FREIGHTLINER
LLC

THE INFORMATION CONTAINED HEREIN IS PROPRIETARY DATA, AND IS NOT FOR DISSEMINATION OR DISCLOSURE, IN WHOLE OR IN PART, FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUBMITTED, EXCEPT AS AUTHORIZED IN WRITING BY FREIGHTLINER CORPORATION.

MATERIAL APPROVAL: N/A

DATE: 12/17/01

CHECKED BY: L. NGUYEN

DATE: 12/17/01

RESPONSIBLE ENGINEER: L. NGUYEN

DATE: 12/17/01

APPROVED BY: C. COOPER

DATE: 12/17/01

UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ASME STANDARD Y14.5M-1994, WITH EXCEPTIONS PER FREIGHTLINER EDSM 0900-K17.

THIRD ANGLE PROJECTION

UNITS OF MEASURE: MM

RESPONSIBLE MFG. ENGR: J. ELLENBERGER

DATE: 09/03/08

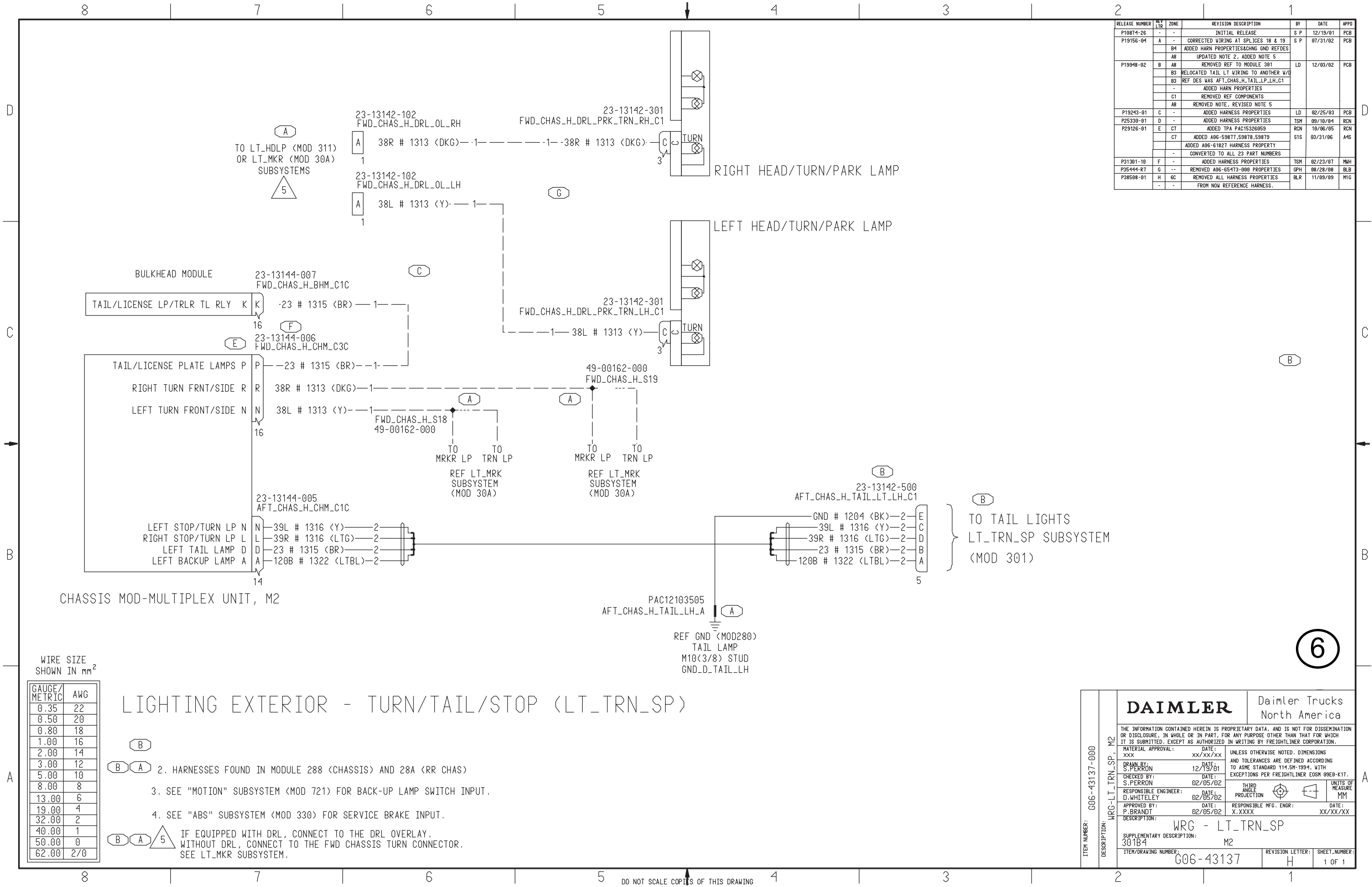
DESCRIPTION: WRG-LIGHTING EXT, MARKERS, M2

SUPPLEMENTARY DESCRIPTION: 30AB4 M2

ITEM/DRAWING NUMBER: G06-43139

REVISION LETTER: G

SHEET NUMBER: 1 OF 1



RELEASE NUMBER	REV LTR	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P10874-26	-	-	INITIAL RELEASE	S P	12/19/01	PCB
P19156-04	A	-	CORRECTED WIRING AT SPLICES 18 & 19	S P	07/31/02	PCB
	B4	-	ADDED HARN PROPERTIES&CHNG GND REFDES			
	A8	-	UPDATED NOTE 2, ADDED NOTE 5			
P19948-02	B	A8	REMOVED REF TO MODULE 301	LD	12/03/02	PCB
	B3	-	RELOCATED TAIL LT WIRING TO ANOTHER W/O			
	B3	-	REF DES WAS AFT_CHAS_H_TAIL_LP_LH.C1			
	-	-	ADDED HARN PROPERTIES			
	C1	-	REMOVED REF COMPONENTS			
	A8	-	REMOVED NOTE, REVISED NOTE 5			
P19243-01	C	-	ADDED HARNESS PROPERTIES	LD	02/25/03	PCB
P25330-01	D	-	ADDED HARNESS PROPERTIES	TSM	09/10/04	RCN
P29126-01	E	C7	ADDED TPA PAC15326059	RCN	10/06/05	RCN
	-	C7	ADDED A06-59877,59878,59879	SIS	03/31/06	A4S
	-	-	ADDED A06-61827 HARNESS PROPERTY			
	-	-	CONVERTED TO ALL 23 PART NUMBERS			
P31301-10	F	-	ADDED HARNESS PROPERTIES	TSM	02/23/07	MWH
P35444-R7	G	--	REMOVED A06-65473-000 PROPERTIES	GPH	08/28/08	BLB
P38508-01	H	6C	REMOVED ALL HARNESS PROPERTIES	BLR	11/09/09	MIG
	-	-	FROM NOW REFERENCE HARNESS.			

WIRE SIZE
SHOWN IN mm²

GAUGE/ METRIC	AWG
0.35	22
0.50	20
0.80	18
1.00	16
2.00	14
3.00	12
5.00	10
8.00	8
13.00	6
19.00	4
32.00	2
40.00	1
50.00	0
62.00	2/0

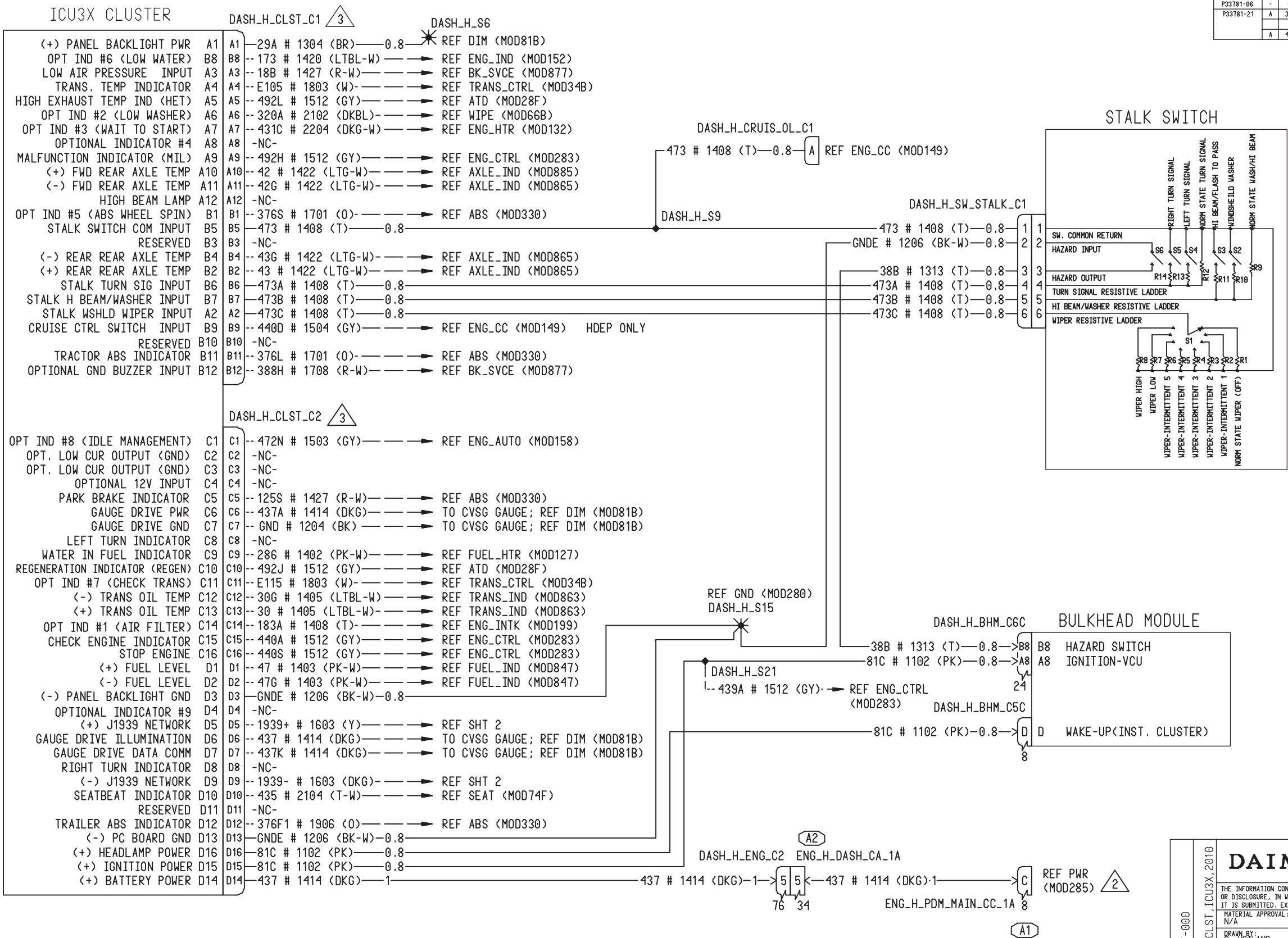
LIGHTING EXTERIOR - TURN/TAIL/STOP (LT_TRN_SP)

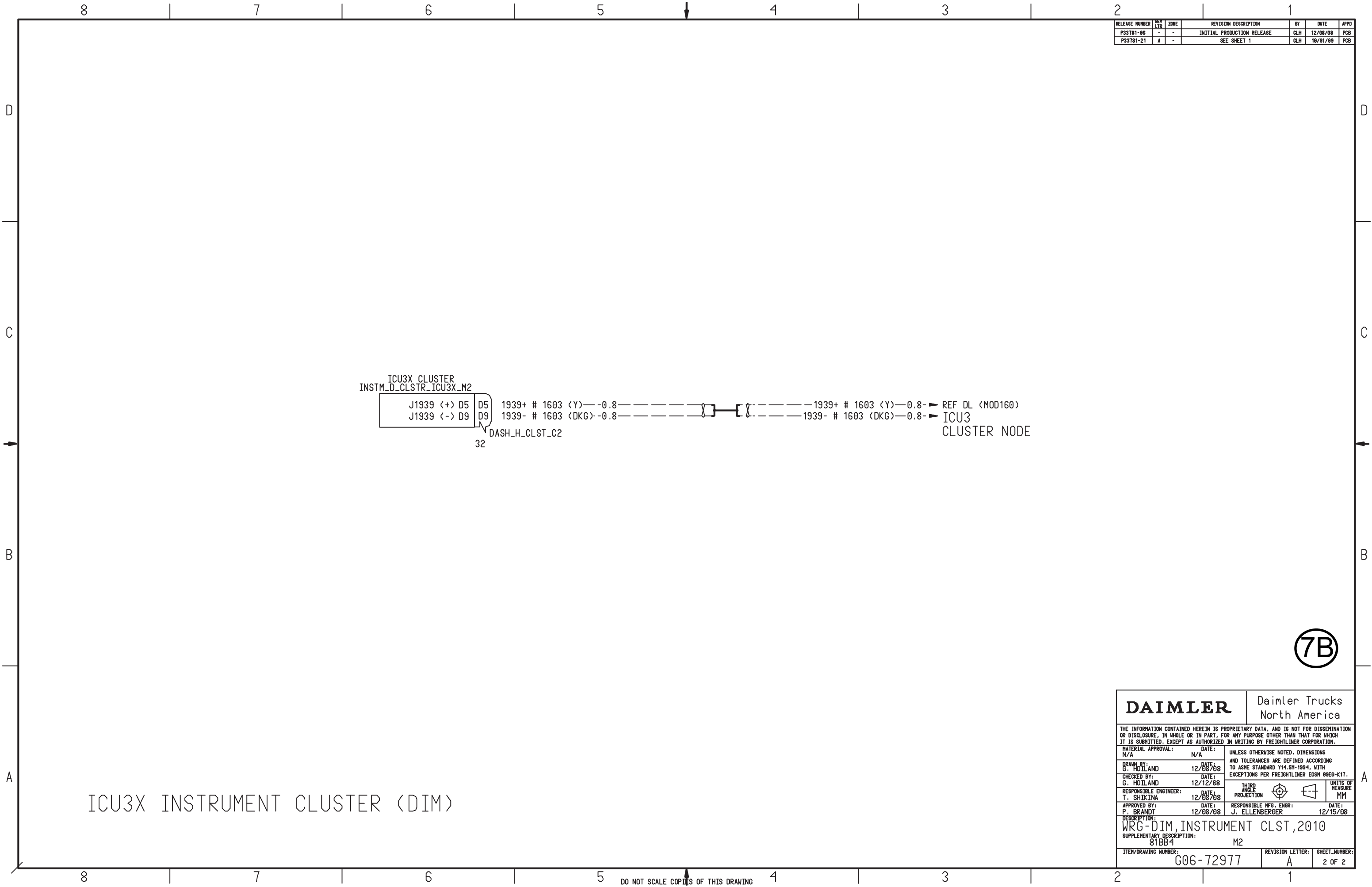
2. HARNESSES FOUND IN MODULE 288 (CHASSIS) AND 28A (RR CHAS)
3. SEE "MOTION" SUBSYSTEM (MOD 721) FOR BACK-UP LAMP SWITCH INPUT.
4. SEE "ABS" SUBSYSTEM (MOD 330) FOR SERVICE BRAKE INPUT.

IF EQUIPPED WITH DRL, CONNECT TO THE DRL OVERLAY.
WITHOUT DRL, CONNECT TO THE FWD CHASSIS TURN CONNECTOR.
SEE LT_MKR SUBSYSTEM.

ITEM NUMBER: G06-43137-000	DESCRIPTION: WRG-LT_TRN_SP, M2	DAIMLER		Daimler Trucks North America	
		THE INFORMATION CONTAINED HEREIN IS PROPRIETARY DATA, AND IS NOT FOR DISSEMINATION OR DISCLOSURE, IN WHOLE OR IN PART, FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUBMITTED, EXCEPT AS AUTHORIZED IN WRITING BY FREIGHTLINER CORPORATION.			
		MATERIAL APPROVAL: xxx		DATE: xx/xx/xx	
		DRAWN BY: S.PERRON		DATE: 12/13/01	
		CHECKED BY: S.PERRON		DATE: 02/05/02	
RESPONSIBLE ENGINEER: D.WHITELEY		DATE: 02/05/02		THIRD ANGLE PROJECTION	
APPROVED BY: P.BRANDT		DATE: 02/05/02		RESPONSIBLE MFG. ENGR: X.XXXX	
DESCRIPTION: WRG - LT_TRN_SP 301B4		M2		UNITS OF MEASURE MM	
SUPPLEMENTARY DESCRIPTION: ITER/DRAWING NUMBER: G06-43137		REVISION LETTER: H		SHEET NUMBER: 1 OF 1	

RELEASE NUMBER	REV	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P33781-06	-	-	INITIAL PRODUCTION RELEASE	GLH	12/08/08	PCB
P33781-21	A	3A	1. ENG_H_PDM_MAIN_CC_1A WAS	GLH	10/01/09	PCB
	A	4A	2. ENG_H_DASH_CA_1A WAS ENG_H_DASH_CA			





RELEASE NUMBER	REV	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P33781-06	-	-	INITIAL PRODUCTION RELEASE	GLH	12/08/08	PCB
P33781-21	A	-	SEE SHEET 1	GLH	10/01/09	PCB

ICU3X CLUSTER
INSTM_D_CLSTR_ICU3X_M2

J1939 (+) D5	D5
J1939 (-) D9	D9

1939+ # 1603 (Y) -0.8
1939- # 1603 (DKG) -0.8

DASH_H_CLST_C2

32

1939+ # 1603 (Y) -0.8

1939- # 1603 (DKG) -0.8

REF DL (MOD160)

ICU3

CLUSTER NODE

7B

DAIMLER

Daimler Trucks
North America

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MATERIAL APPROVAL: N/A DATE: N/A

DRAWN BY: G. HOILAND DATE: 12/08/08

CHECKED BY: G. HOILAND DATE: 12/12/08

RESPONSIBLE ENGINEER: T. SHIKINA DATE: 12/08/08

APPROVED BY: P. BRANDT DATE: 12/08/08

RESPONSIBLE MFG. ENGR: J. ELLENBERGER DATE: 12/15/08

DESCRIPTION: WRG-DIM, INSTRUMENT CLST, 2010

SUPPLEMENTARY DESCRIPTION: 81BB4 M2

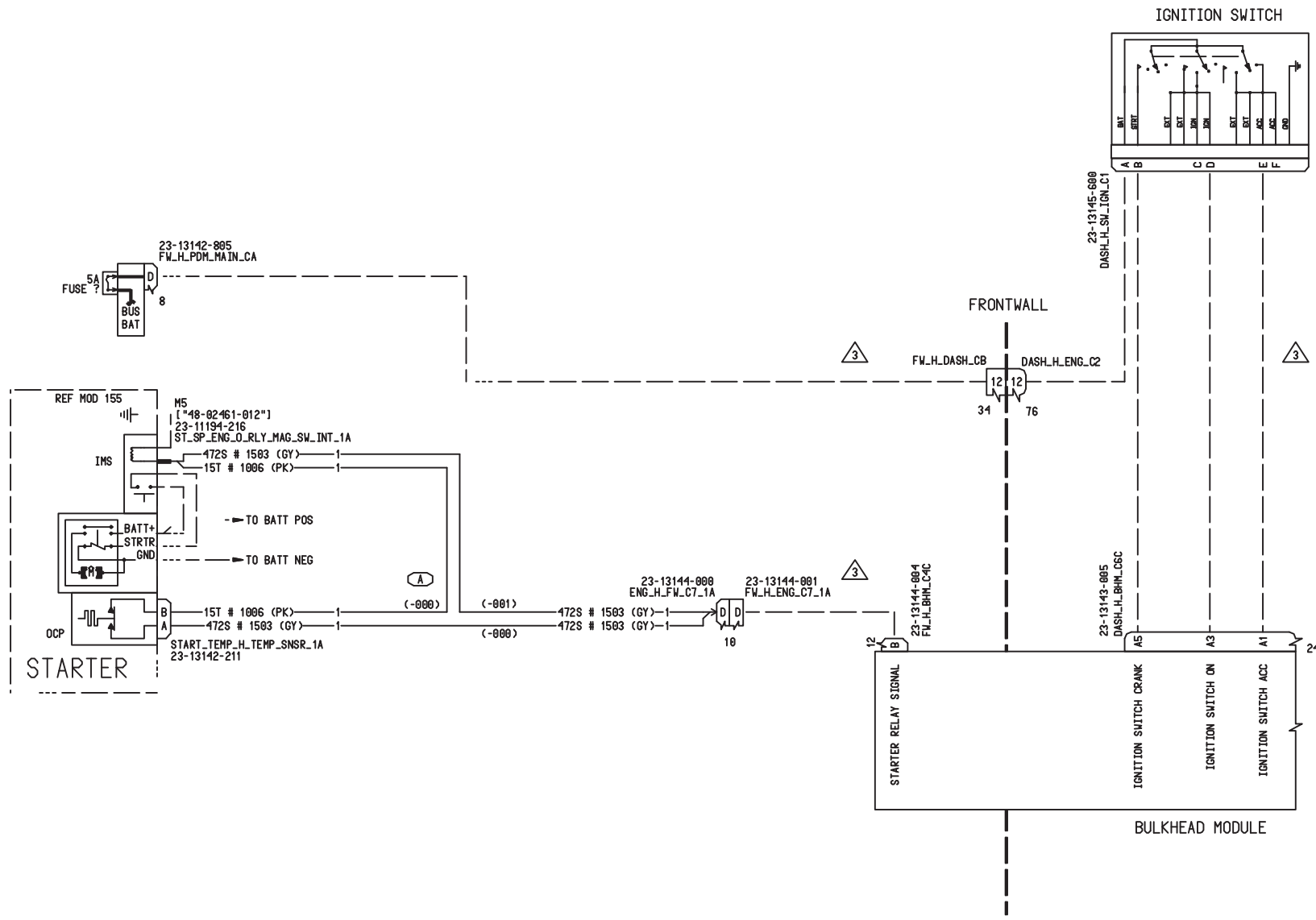
ITEM/DRAWING NUMBER: 006-72977

REVISION LETTER: A

SHEET NUMBER: 2 OF 2

ICU3X INSTRUMENT CLUSTER (DIM)

RELEASE NUMBER	REV	DATE	BY	APP
P24121-13	1	03/18/89	WHE	001
P24121-14	A	06/07/89	WHE	002
A	REC-76	06/07/89	WHE	002



ENGINE START/STOP (ST_SP)

- 000 START CONTROL INTERGATED MAG SW (IMS) OCP
- 001 START CONTROL INTERGRATED MAG SW (IMS)

8A

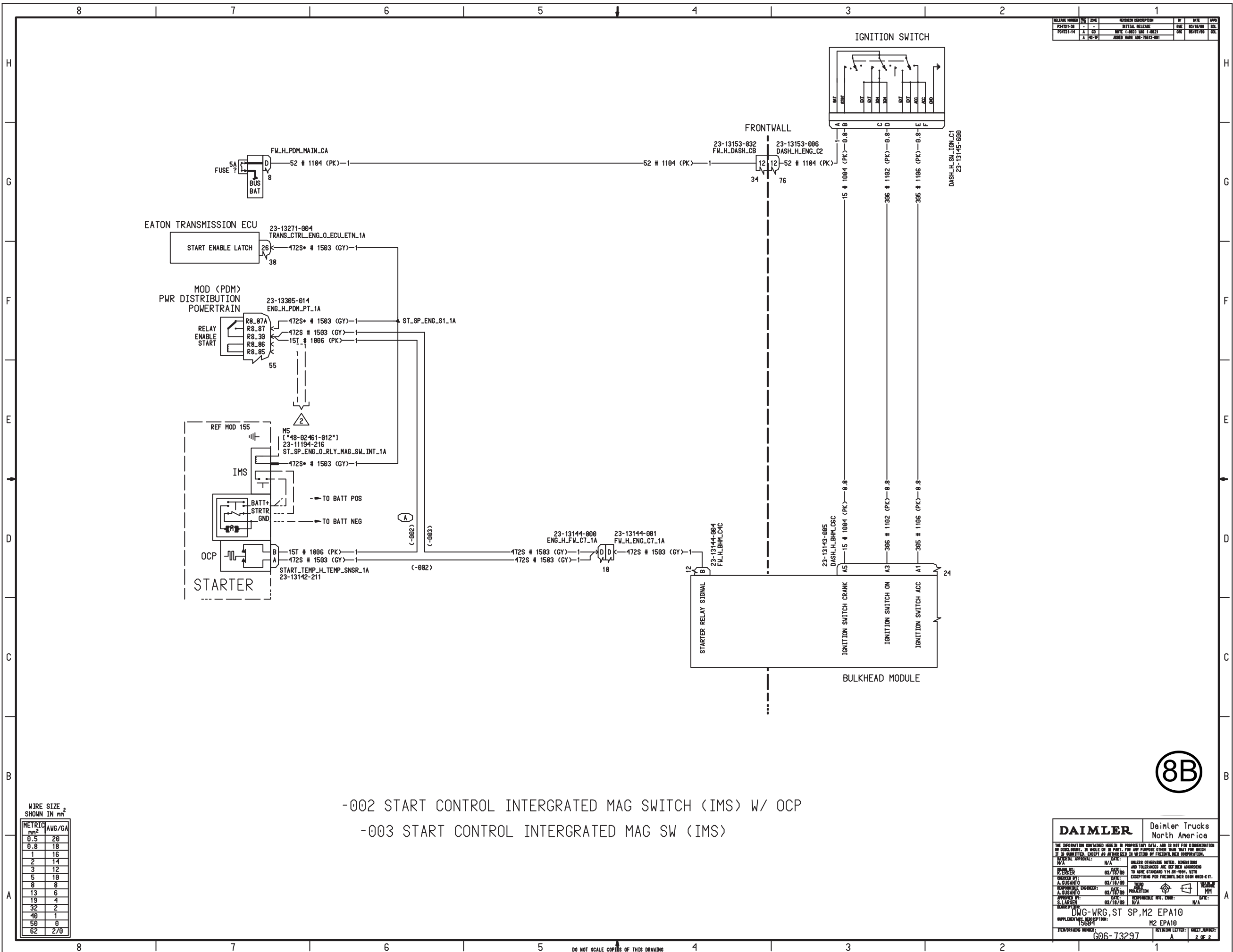
WIRE SIZE SHOWN IN mm ²	
METRIC mm ²	AWG/GA
0.5	28
0.8	18
1	16
2	14
3	12
5	10
8	8
13	6
19	4
32	2
40	1
50	0
62	2/0

- 1 REF MOD 283 FOR ENGINE WIRING
- 2 REF MOD 34B FOR TRANS WIRING
- 3 REF PAGE 2 FOR MOD 320/MOD 321 WIRING

1. HARNESSES FOUND IN MODULES 286 (ENGINE), 320 (DASH) AND 321 (FRONT WALL)
FOR ENGINEERING REFERENCE ONLY:
VARIANT OPTIONS HAVE BEEN USED
ON THIS DIAGRAM

ITEM NUMBER: G06-73237-003	DESCRIPTION: URC-ST SP, ST CTRL IMS W/O OCP, DM3	ITEM NUMBER: G06-73237-002	DESCRIPTION: URC-ST SP, ST CTRL IMS WITH OCP, DM3	ITEM NUMBER: G06-73237-001	DESCRIPTION: URC-ST SP, ST CTRL IMS W/O OCP	ITEM NUMBER: G06-73237-000	DESCRIPTION: URC-ST SP, ST CTRL IMS WITH OCP	DAIMLER Daimler Trucks North America THE INFORMATION CONTAINED HEREIN IS PROPRIETARY DATA, AND IS NOT TO BE REPRODUCED OR USED IN ANY MANNER, IN WHOLE OR IN PART, FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUBMITTED, EXCEPT AS AUTHORIZED IN WRITING BY DAIMLER CORPORATION. UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE NOT TO EXCEED THE FOLLOWING: EXCEPTING PER DTA CORR 000-011. DESIGNED BY: A. SUSANTO DATE: 03/18/89 APPROVED BY: A. SUSANTO DATE: 03/18/89 DESIGNED BY: S. LARSEN DATE: 03/18/89 APPROVED BY: S. LARSEN DATE: 03/18/89 DWG-WRG, ST SP, M2 EPA10 15684 M2 EPA10 1 OF 2
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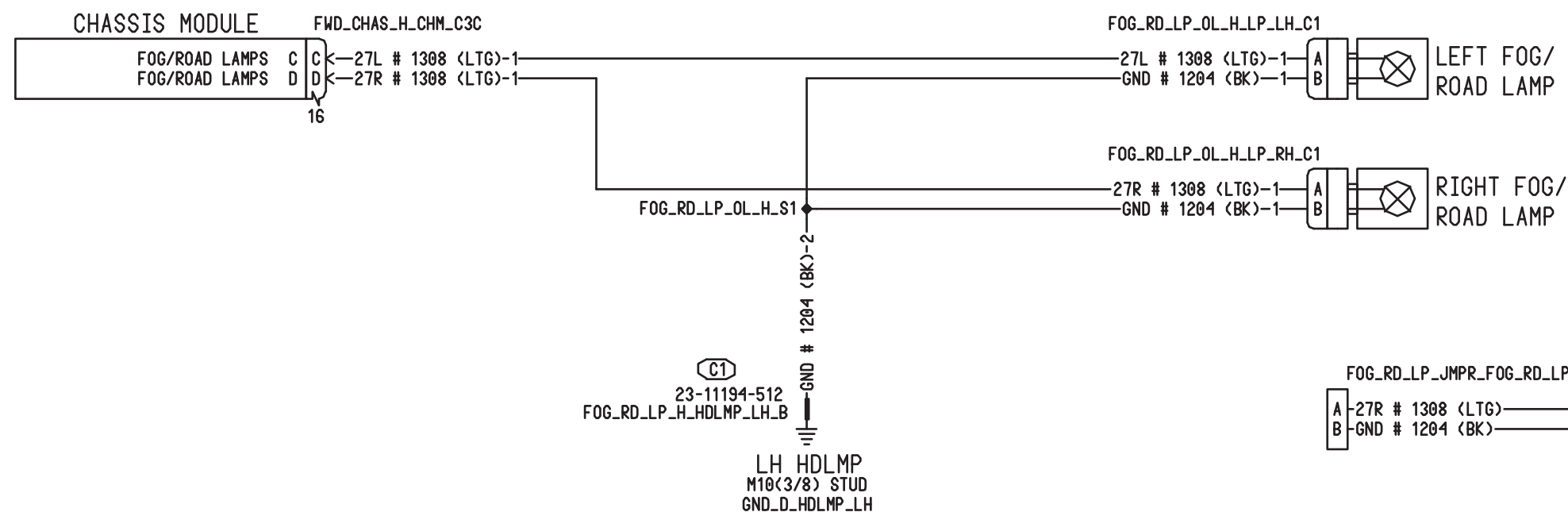
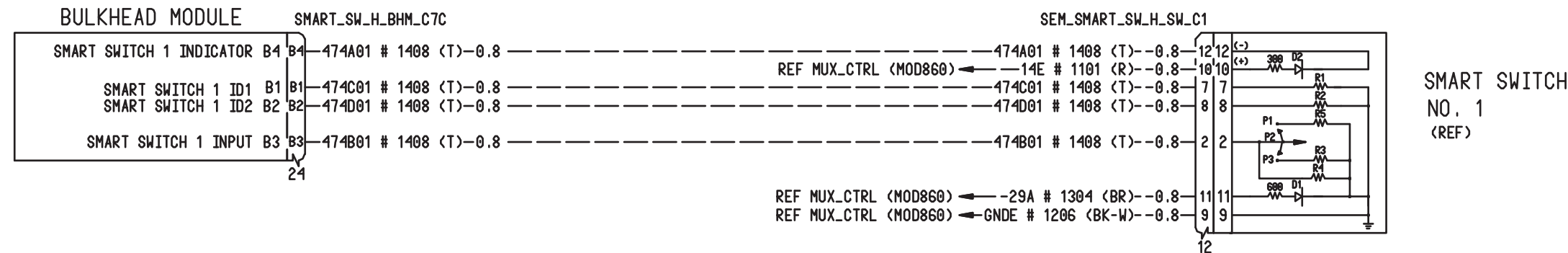
RELEASE NUMBER	REV	REVISION DESCRIPTION	BY	DATE	APP
P4101-30	1	INITIAL RELEASE	ONE	02/18/09	ONE
P4101-14	A	NOTE (-003) WAS (-002)	ONE	02/07/09	ONE
	A	ADDED NAME AND-15013-001			



8B

DAIMLER		Daimler Trucks North America	
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DESIGNED BY: A.SUSANTO	DATE: 02/18/09	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE NOT SHOWN ACCORDING TO ASME STANDARD Y14.5-1994, UNLESS OTHERWISE SPECIFIED.	REVISION: 02/18/09
APPROVED BY: S.LARSEN	DATE: 02/18/09	EXCEPTING PER FREIGHTLINER CORP. 0003-011.	REVISION: 02/18/09
DWG-WRG, ST SP, M2 EPA10		M2 EPA10	
15684		REVISION LETTER: 0001-0001	
G06-73297		A 2 OF 2	

RELEASE NUMBER	REV	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P19213-09	-	-	INITIAL PRODUCTION RELEASE	IND	06/02/03	PCB
P26794-24	A	-	UPDATED TO CURRENT LIBRARY PARTS.	S3B	09/08/06	NH
P31301-14	B	-	ADD HARN PROP A06-6082-1/025-000	S3B	03/14/07	NIG
P33061-01	C	GB	1: CONVERTED TO ECO P/N	S3B	11/13/09	NIG
	-	-	2: ADDED A06-T7160-000 AND			
	-	-	A06-T7161-000 HARN PROP			



WIRE SIZE
SHOWN IN mm²

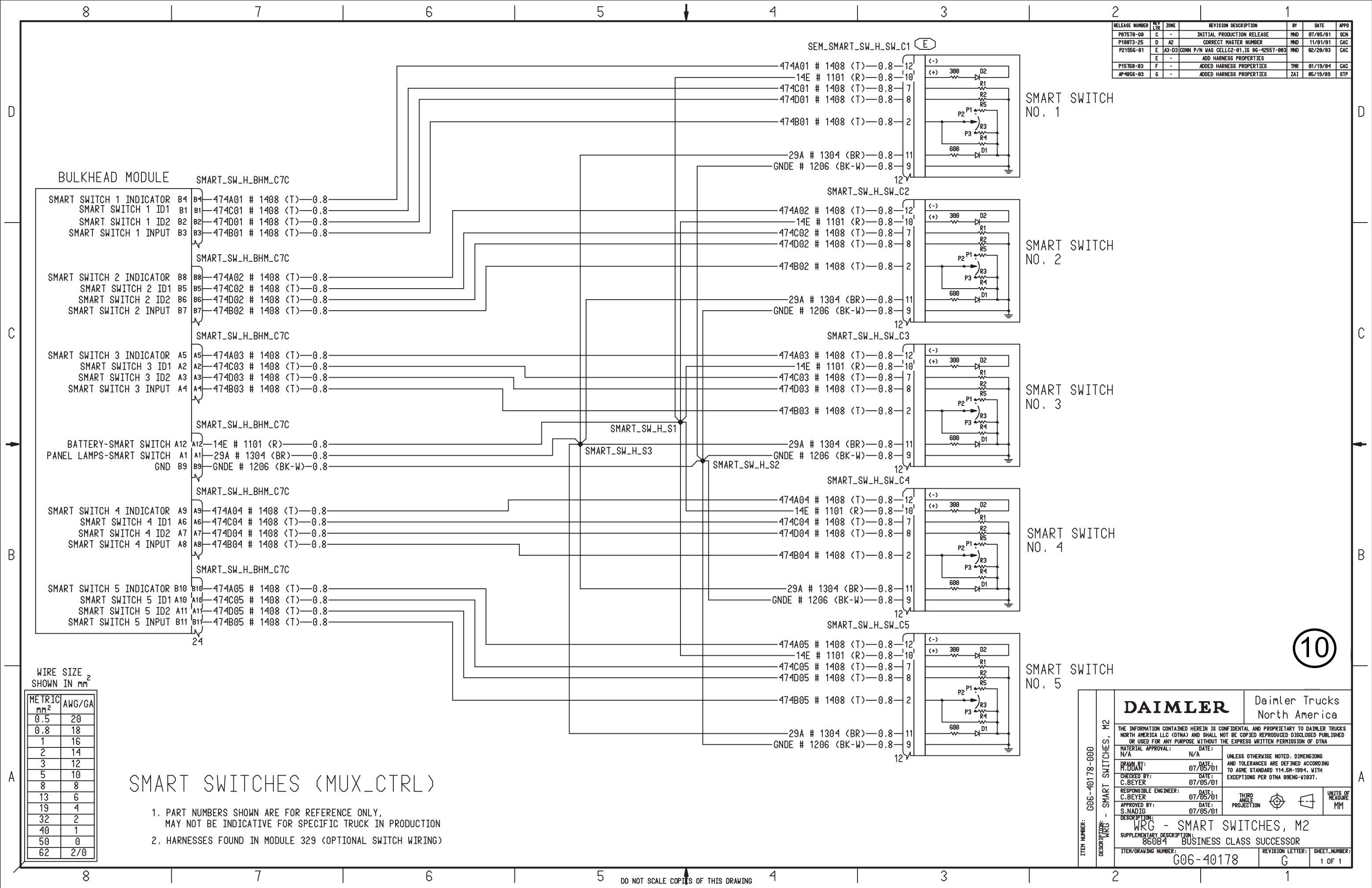
METRIC mm ²	AWG/GA
0.5	20
0.8	18
1	16
2	14
3	12
5	10
8	8
13	6
19	4
32	2
40	1
50	0
62	2/0

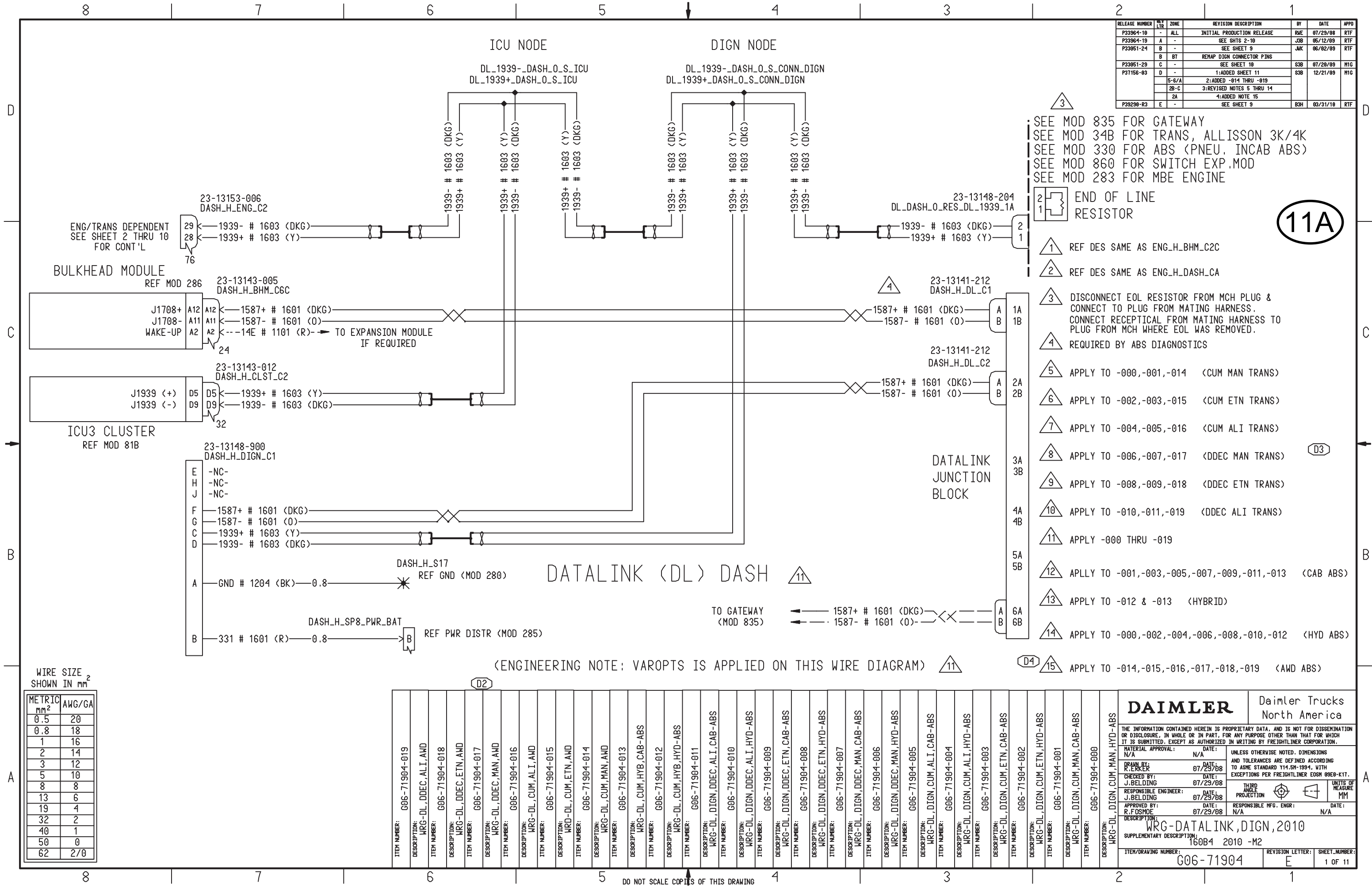
FOG/ROADS LAMP (LT_RDLP)

- HARNESSES FOUND IN MODULE 313 (FOG/ROAD LAMP WIRING)
- FOG/ROAD LAMP SWITCH WIRING LOCATED IN MODULE 860
- FOG/ROAD LAMP REQUEST TRANSMITTED TO CHASSIS MODULE BY BULKHEAD MODULE VIA J1939

ITEM NUMBER: G06-47788-000	DESCRIPTION: WRG-LT_RDLP, FOG ROAD LAMPS, FLM	DAIMLER		Daimler Trucks North America	
		THE INFORMATION CONTAINED HEREIN IS PROPRIETARY DATA, AND IS NOT FOR DISSEMINATION OR DISCLOSURE, IN WHOLE OR IN PART, FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUBMITTED, EXCEPT AS AUTHORIZED IN WRITING BY FREIGHTLINER CORPORATION.			
		MATERIAL APPROVAL: N/A		DATE: N/A	
		DRAWN BY: H.DUCAN		DATE: 06/02/03	
CHECKED BY: L.DORRMAN		DATE: 06/02/03		UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ASME STANDARD Y14.5M-1994, WITH EXCEPTIONS PER FREIGHTLINER EDGN 0000-K17.	
RESPONSIBLE ENGINEER: S.PERRON		DATE: 06/02/03		THIRD PROJECTION	
APPROVED BY: P.BRANDT		DATE: 06/02/03		RESPONSIBLE MFG. ENGR: N/A	
DESCRIPTION: WRG-LT_RDLP, FOG ROAD LAMPS		DATE: N/A		SHEET NUMBER: 1 OF 1	
SUPPLEMENTARY DESCRIPTION: 313B4		FLM			
ITEM/DRAWING NUMBER: G06-47788		REVISION LETTER: C			

RELEASE NUMBER	REV	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P07570-00	C	-	INITIAL PRODUCTION RELEASE	MND	07/05/01	SCN
P10873-25	D	A2	CORRECT MASTER NUMBER	MND	11/01/01	CAC
P21556-01	E	A3-D3	CONN P/N WAS CELLC2-01, IS 06-42557-003	MND	02/20/03	CAC
	E	-	ADD HARNESS PROPERTIES			
P15768-03	F	-	ADDED HARNESS PROPERTIES	TNR	01/19/04	CAC
AP-4856-03	G	-	ADDED HARNESS PROPERTIES	ZAI	05/19/09	STP





RELEASE NUMBER	REV LTR	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P33964-10	-	ALL	INITIAL PRODUCTION RELEASE	RME	07/29/08	RTF
P33964-19	A	-	SEE SHTS 2-10	J3B	05/12/09	RTF
P33961-24	B	-	SEE SHEET 9	.MK	06/02/09	RTF
	B	B7	REMAP DIGN CONNECTOR PINS			
P33961-29	C	-	SEE SHEET 10	S3B	07/28/09	MTG
P37156-03	D	-	1:ADDED SHEET 11	S3B	12/21/09	MTG
	5-6/A		2:ADDED -014 THRU -019			
	2B-C		3:REVISED NOTES 5 THRU 14			
	2A		4:ADDED NOTE 15			
P39290-R3	E	-	SEE SHEET 9	B3H	03/31/10	RTF

SEE MOD 835 FOR GATEWAY
SEE MOD 34B FOR TRANS, ALLISSON 3K/4K
SEE MOD 330 FOR ABS (PNEU. INCAB ABS)
SEE MOD 860 FOR SWITCH EXP.MOD
SEE MOD 283 FOR MBE ENGINE

END OF LINE
RESISTOR

- 1 REF DES SAME AS ENG_H-BHM_C2C
- 2 REF DES SAME AS ENG_H-DASH_CA
- 3 DISCONNECT EOL RESISTOR FROM MCH PLUG & CONNECT TO PLUG FROM MATING HARNESS. CONNECT RECEPTICAL FROM MATING HARNESS TO PLUG FROM MCH WHERE EOL WAS REMOVED.
- 4 REQUIRED BY ABS DIAGNOSTICS
- 5 APPLY TO -000,-001,-014 <CUM MAN TRANS>
- 6 APPLY TO -002,-003,-015 <CUM ETN TRANS>
- 7 APPLY TO -004,-005,-016 <CUM ALI TRANS>
- 8 APPLY TO -006,-007,-017 <DDEC MAN TRANS>
- 9 APPLY TO -008,-009,-018 <DDEC ETN TRANS>
- 10 APPLY TO -010,-011,-019 <DDEC ALI TRANS>
- 11 APPLY -000 THRU -019
- 12 APLY TO -001,-003,-005,-007,-009,-011,-013 <CAB ABS>
- 13 APPLY TO -012 & -013 <HYBRID>
- 14 APPLY TO -000,-002,-004,-006,-008,-010,-012 <HYD ABS>
- 15 APPLY TO -014,-015,-016,-017,-018,-019 <AWD ABS>

WIRE SIZE
SHOWN IN mm²

METRIC mm ²	AWG/GA
0.5	20
0.8	18
1	16
2	14
3	12
5	10
8	8
13	6
19	4
32	2
40	1
50	0
62	2/0

ITEM NUMBER:	G06-71904-019
DESCRIPTION:	WRG-DL,DDEC,ALI,AWD
ITEM NUMBER:	G06-71904-018
DESCRIPTION:	WRG-DL,DDEC,ETN,AWD
ITEM NUMBER:	G06-71904-017
DESCRIPTION:	WRG-DL,DDEC,MAN,AWD
ITEM NUMBER:	G06-71904-016
DESCRIPTION:	WRG-DL,CUM,ALI,AWD
ITEM NUMBER:	G06-71904-015
DESCRIPTION:	WRD-DL,CUM,ETN,AWD
ITEM NUMBER:	G06-71904-014
DESCRIPTION:	WRG-DL,CUM,MAN,AWD
ITEM NUMBER:	G06-71904-013
DESCRIPTION:	WRG-DL,CUM,HYB,CAB-ABS
ITEM NUMBER:	G06-71904-012
DESCRIPTION:	WRG-DL,CUM,HYB,HYD-ABS
ITEM NUMBER:	G06-71904-011
DESCRIPTION:	WRG-DL,DIGN,DDEC,ALI,CAB-ABS
ITEM NUMBER:	G06-71904-010
DESCRIPTION:	WRG-DL,DIGN,DDEC,ALI,HYD-ABS
ITEM NUMBER:	G06-71904-009
DESCRIPTION:	WRG-DL,DIGN,DDEC,ETN,CAB-ABS
ITEM NUMBER:	G06-71904-008
DESCRIPTION:	WRG-DL,DIGN,DDEC,ETN,HYD-ABS
ITEM NUMBER:	G06-71904-007
DESCRIPTION:	WRG-DL,DIGN,DDEC,MAN,CAB-ABS
ITEM NUMBER:	G06-71904-006
DESCRIPTION:	WRG-DL,DIGN,DDEC,MAN,HYD-ABS
ITEM NUMBER:	G06-71904-005
DESCRIPTION:	WRG-DL,DIGN,CUM,ALI,CAB-ABS
ITEM NUMBER:	G06-71904-004
DESCRIPTION:	WRG-DL,DIGN,CUM,ALI,HYD-ABS
ITEM NUMBER:	G06-71904-003
DESCRIPTION:	WRG-DL,DIGN,CUM,ETN,CAB-ABS
ITEM NUMBER:	G06-71904-002
DESCRIPTION:	WRG-DL,DIGN,CUM,ETN,HYD-ABS
ITEM NUMBER:	G06-71904-001
DESCRIPTION:	WRG-DL,DIGN,CUM,MAN,CAB-ABS
ITEM NUMBER:	G06-71904-000
DESCRIPTION:	WRG-DL,DIGN,CUM,MAN,HYD-ABS

DAIMLER
Daimler Trucks
North America

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THIRD ANGLE PROJECTION

UNITS OF MEASURE
MM

DATE: 07/29/08	DATE: 07/29/08	DATE: 07/29/08	DATE: 07/29/08
DATE: 07/29/08	DATE: 07/29/08	DATE: 07/29/08	DATE: 07/29/08
DATE: 07/29/08	DATE: 07/29/08	DATE: 07/29/08	DATE: 07/29/08
DATE: 07/29/08	DATE: 07/29/08	DATE: 07/29/08	DATE: 07/29/08

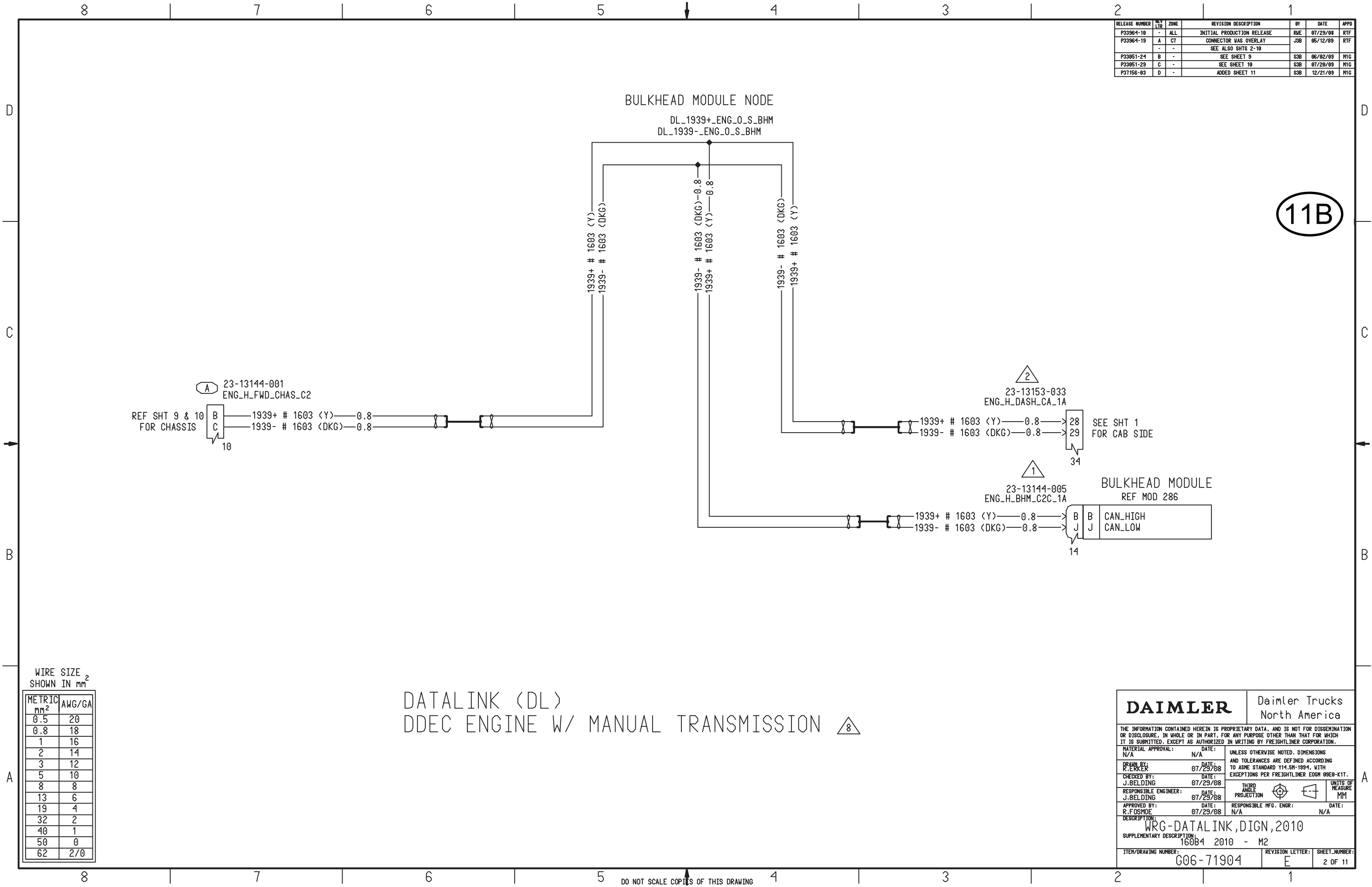
WRG-DATALINK,DIGN,2010

160B4 2010 -M2

ITEM/DRAWING NUMBER: G06-71904

REVISION LETTER: E

SHEET NUMBER: 1 OF 11



RELEASE NUMBER	REV LTR	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P33964-10	-	ALL	INITIAL PRODUCTION RELEASE	RME	07/29/08	RTF
P33964-19	A	CT	CONNECTOR WAS OVERLAY	J3B	05/12/09	RTF
	-	-	SEE ALSO SHTS 2-10			
P33951-24	B	-	SEE SHEET 9	S3B	06/02/09	M1G
P33951-29	C	-	SEE SHEET 10	S3B	07/28/09	M1G
P37156-03	D	-	ADDED SHEET 11	S3B	12/21/09	M1G

11B

WIRE SIZE
SHOWN IN mm²

METRIC mm ²	AWG/GA
0.5	20
0.8	18
1	16
2	14
3	12
5	10
8	8
13	6
19	4
32	2
40	1
50	0
62	2/0

DATALINK (DL)
DDEC ENGINE W/ MANUAL TRANSMISSION

DAIMLER

Daimler Trucks
North America

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MATERIAL APPROVAL: N/A

DATE: N/A

DRAWN BY: R.ERKER

DATE: 07/29/08

CHECKED BY: J.BELDING

DATE: 07/29/08

RESPONSIBLE ENGINEER: J.BELDING

DATE: 07/29/08

APPROVED BY: R.FOSMOE

DATE: 07/29/08

DESCRIPTION: WRG-DATALINK, DIGN, 2010

SUPPLEMENTARY DESCRIPTION: 160B4 2010 - M2

ITEM/DRAWING NUMBER: 606-71904

REVISION LETTER: E

SHEET NUMBER: 2 OF 11

UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ASME STANDARD Y14.5M-1994, WITH EXCEPTIONS PER FREIGHTLINER EOSH 0900-K17.

THIRD ANGLE PROJECTION

UNITS OF MEASURE MM

RESPONSIBLE MFG. ENGR: N/A

DATE: N/A

RELEASE NUMBER	REV	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P33964-10	-	ALL	INITIAL PRODUCTION RELEASE	RME	07/29/08	RTF
P33964-19	A	C7	CONNECTOR WAS OVERLAY	J3B	05/12/09	RTF
	-	-	SEE ALSO SHTS 2-10			
P33961-24	B	-	SEE SHEET 9	S3B	06/02/09	M1G
P33961-29	C	-	SEE SHEET 10	S3B	07/28/09	M1G
P37156-03	D	-	ADDED SHEET 11	S3B	12/21/09	M1G

TRANS NODE

BULKHEAD MODULE NODE

DL_1939+_ENG_0_S_XMSN
DL_1939-_ENG_0_S_XMSN

DL_1939+_ENG_0_S_BHM
DL_1939-_ENG_0_S_BHM

11C

2

23-13153-033
ENG_H_DASH_CA_1A

SEE SHEET 1
FOR CAB SIDE

1

23-13144-005
ENG_H_BHM_C2C_1A

BULKHEAD MODULE
REF MOD 286

14

REF SHT 9 & 10
FOR CHASSIS

23-13144-001
ENG_H_FWD_CHAS_C2

EATON
TRANSMISSION ECU
REF MOD 34B

23-13271-004
TRANS_CTRL_ENG_0_ECU_ETN_1A

DATALINK (DL)
DDEC ENGINE W/ EATON AUTO TRANSMISSION

WIRE SIZE
SHOWN IN mm²

METRIC mm ²	AWG/GA
0.5	20
0.8	18
1	16
2	14
3	12
5	10
8	8
13	6
19	4
32	2
40	1
50	0
62	2/0

DAIMLER

Daimler Trucks
North America

THE INFORMATION CONTAINED HEREIN IS PROPRIETARY DATA, AND IS NOT FOR DISSEMINATION OR DISCLOSURE, IN WHOLE OR IN PART, FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUBMITTED, EXCEPT AS AUTHORIZED IN WRITING BY FREIGHTLINER CORPORATION.

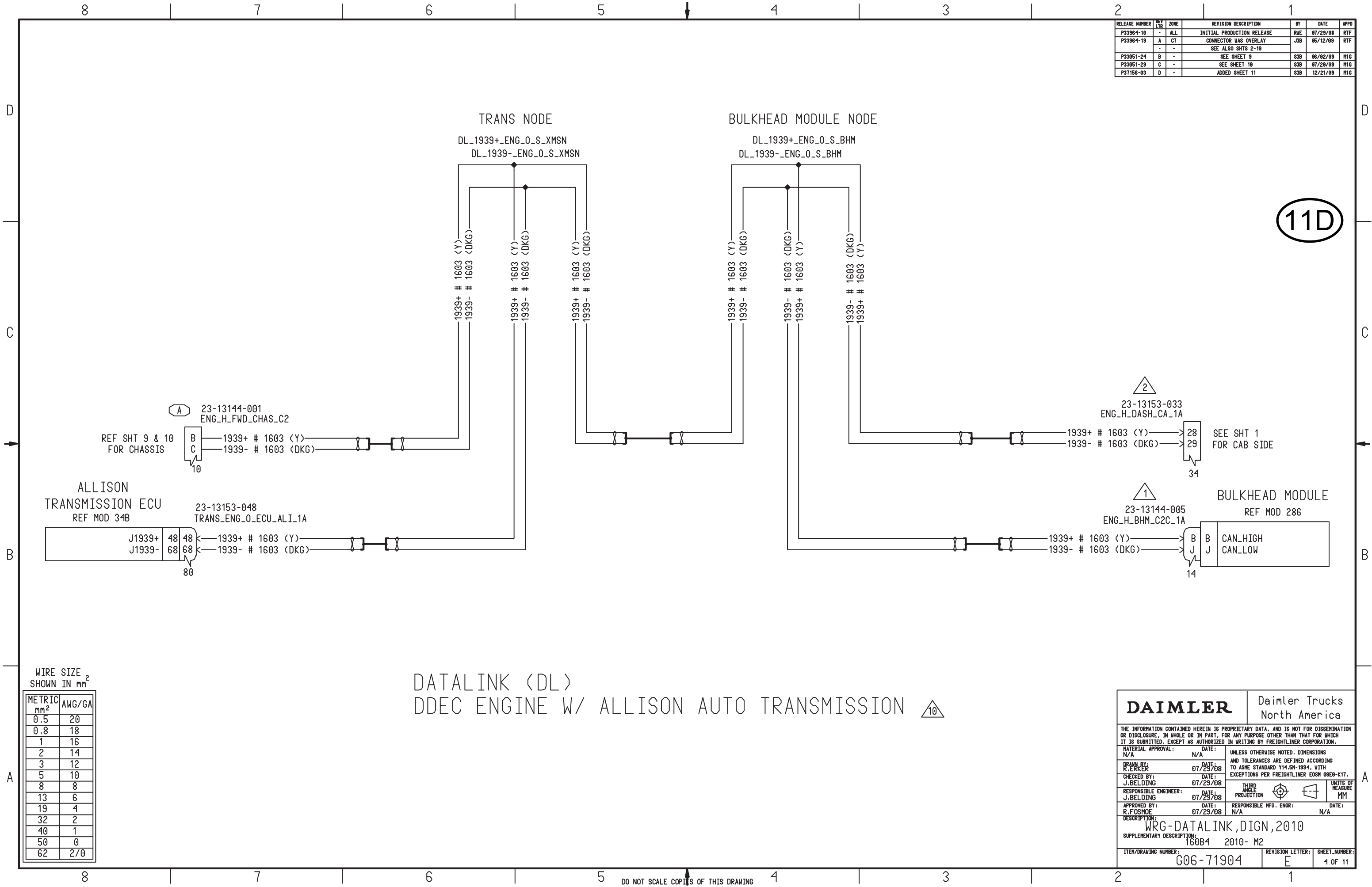
MATERIAL APPROVAL: N/A DATE: N/A
UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ASME STANDARD Y14.5M-1994, WITH EXCEPTIONS PER FREIGHTLINER EDSM 0900-K17.

DRAWN BY: R.ERKER DATE: 07/29/08
CHECKED BY: J.BELDING DATE: 07/29/08
RESPONSIBLE ENGINEER: J.BELDING DATE: 07/29/08
THIRD ANGLE PROJECTION

APPROVED BY: R.FOSMOE DATE: 07/29/08
RESPONSIBLE MFG. ENGR: N/A DATE: N/A

DESCRIPTION: WRG-DATALINK,DIGN,2010
SUPPLEMENTARY DESCRIPTION: 160B4 2010 M2

ITEM/DRAWING NUMBER: G06-71904
REVISION LETTER: E SHEET NUMBER: 3 OF 11



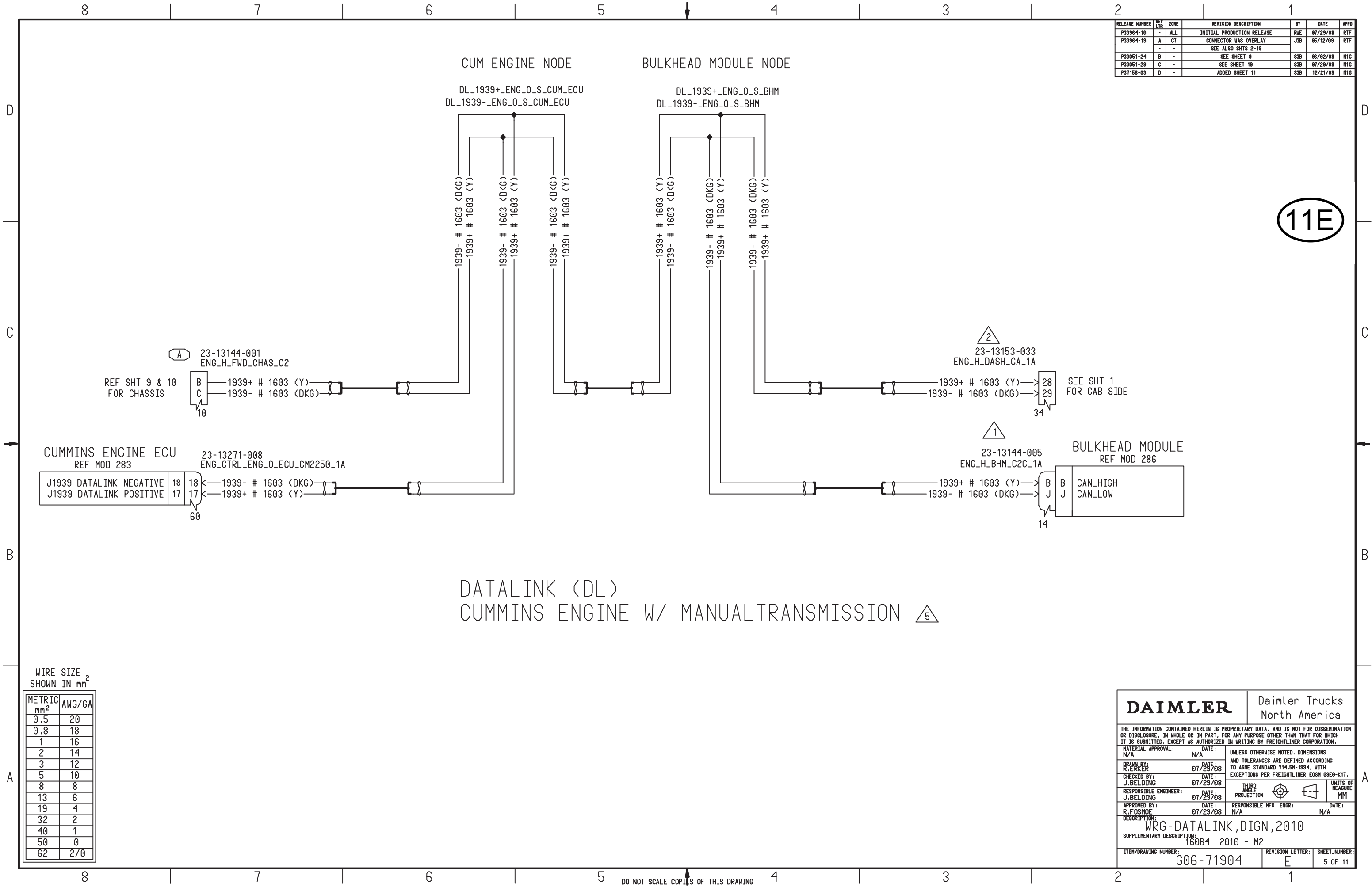
RELEASE NUMBER	REV LTR	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P33864-10	-	ALL	INITIAL PRODUCTION RELEASE	RME	07/23/08	RTF
P33864-19	A	CT	CONNECTOR WAS OVERLAY	JGB	05/12/09	RTF
	-	-	SEE ALSO SHTS 2-10			
P33861-24	B	-	SEE SHEET 9	SGB	06/02/09	MIG
P33861-29	C	-	SEE SHEET 10	SGB	07/28/09	MIG
P37156-03	D	-	ADDED SHEET 11	SGB	12/21/09	MIG

11D

DATALINK (DL)
DDEC ENGINE W/ ALLISON AUTO TRANSMISSION

WIRE SIZE SHOWN IN mm ²	
METRIC mm ²	AWG/GA
0.5	20
0.8	18
1	16
2	14
3	12
5	10
8	8
13	6
19	4
32	2
40	1
50	0
62	2/0

DAIMLER		Daimler Trucks North America		
THE INFORMATION CONTAINED HEREIN IS PROPRIETARY DATA, AND IS NOT FOR DISSEMINATION OR DISCLOSURE, IN WHOLE OR IN PART, FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUBMITTED, EXCEPT AS AUTHORIZED IN WRITING BY FREIGHTLINER CORPORATION.				
MATERIAL APPROVAL: N/A	DATE: N/A	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ASME STANDARD Y14.5M-1994, WITH EXCEPTIONS PER FREIGHTLINER EDSM 0900-K17.		
DRAWN BY: R.ERKER	DATE: 07/23/08	THIRD ANGLE PROJECTION		UNITS OF MEASURE MM
CHECKED BY: J.BELDING	DATE: 07/23/08			
RESPONSIBLE ENGINEER: J.BELDING	DATE: 07/23/08			
APPROVED BY: R.FOSMOE		DATE: 07/23/08	DATE: N/A	
DESCRIPTION: WRG-DATALINK, DIGN, 2010				
SUPPLEMENTARY DESCRIPTION: 160B4 2010- M2				
ITEM/DRAWING NUMBER: G06-71904		REVISION LETTER: E	SHEET NUMBER: 4 OF 11	



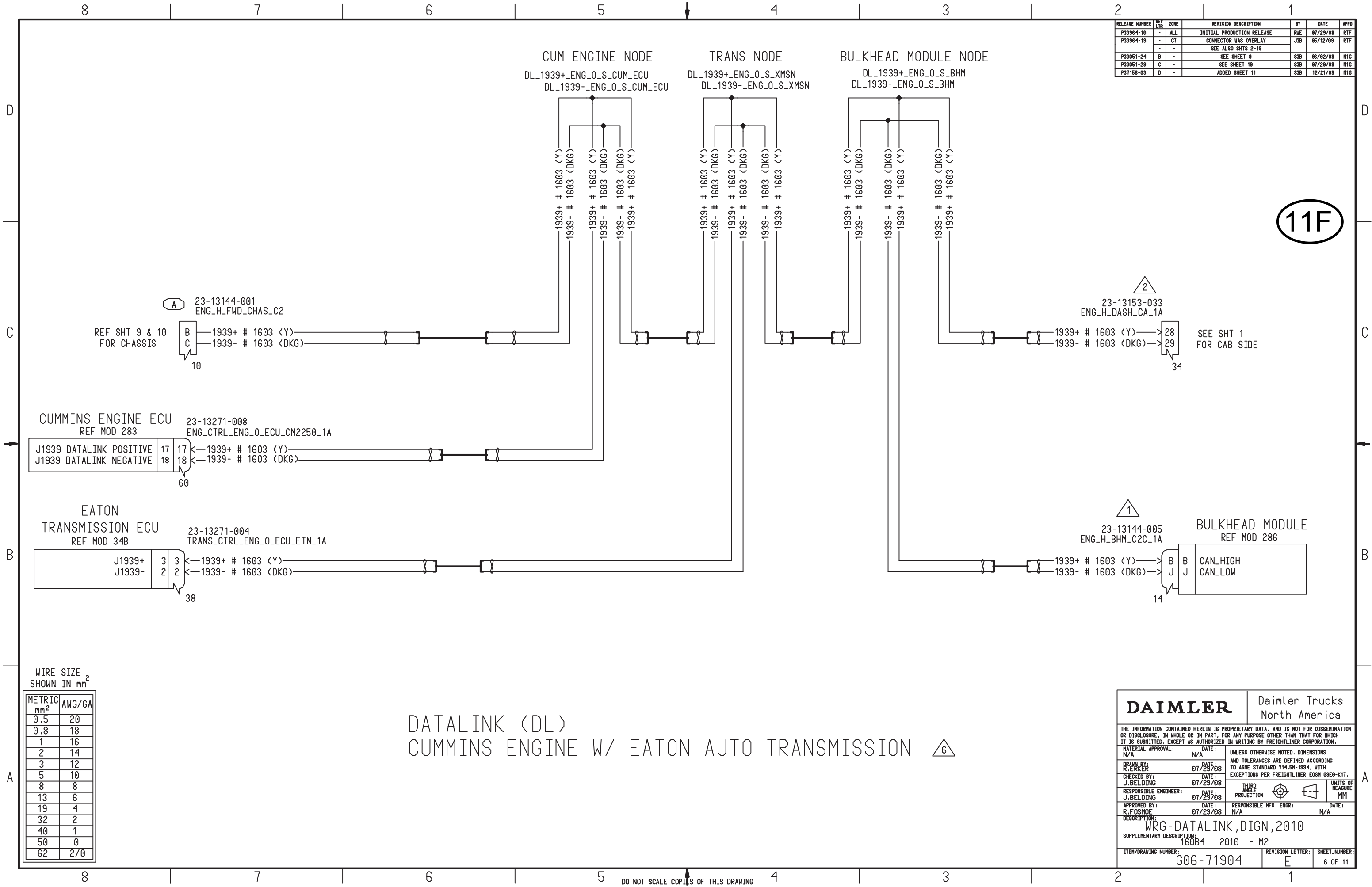
RELEASE NUMBER	REV LTR	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P33964-10	-	ALL	INITIAL PRODUCTION RELEASE	RME	07/23/08	RTF
P33964-19	A	CT	CONNECTOR WAS OVERLAY	JGB	05/12/09	RTF
	-	-	SEE ALSO SHTS 2-10			
P33961-24	B	-	SEE SHEET 9	SGB	06/02/09	MIG
P33961-29	C	-	SEE SHEET 10	SGB	07/28/09	MIG
P37156-03	D	-	ADDED SHEET 11	SGB	12/21/09	MIG

11E

DATALINK (DL)
CUMMINS ENGINE W/ MANUAL TRANSMISSION 5

WIRE SIZE SHOWN IN mm ²	
METRIC mm ²	AWG/GA
0.5	20
0.8	18
1	16
2	14
3	12
5	10
8	8
13	6
19	4
32	2
40	1
50	0
62	2/0

DAIMLER		Daimler Trucks North America	
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MATERIAL APPROVAL: N/A	DATE: N/A	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ASME STANDARD Y14.5M-1994, WITH EXCEPTIONS PER FREIGHTLINER EDSM 0900-K17.	
DRAWN BY: R.ERKER	DATE: 07/23/08		
CHECKED BY: J.BELDING	DATE: 07/23/08		
RESPONSIBLE ENGINEER: J.BELDING	DATE: 07/23/08		
APPROVED BY: R.FOSMOE	DATE: 07/23/08	RESPONSIBLE MFG. ENGR: N/A	DATE: N/A
DESCRIPTION: WRG-DATALINK, DIGN, 2010			
SUPPLEMENTARY DESCRIPTION: 160B4 2010 - M2			
ITEM/DRAWING NUMBER: G06-71904	REVISION LETTER: E		SHEET NUMBER: 5 OF 11



RELEASE NUMBER	REV LTR	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P33864-10	-	ALL	INITIAL PRODUCTION RELEASE	RME	07/23/08	RTF
P33864-19	-	CT	CONNECTOR WAS OVERLAY	JGB	05/12/09	RTF
	-	-	SEE ALSO SHTS 2-10			
P33861-24	B	-	SEE SHEET 9	SGB	06/02/09	MTG
P33861-29	C	-	SEE SHEET 10	SGB	07/28/09	MTG
P37156-03	D	-	ADDED SHEET 11	SGB	12/21/09	MTG

11F

CUMMINS ENGINE ECU
REF MOD 283

J1939 DATALINK POSITIVE
J1939 DATALINK NEGATIVE

23-13271-008
ENG_CTRL_ENG_O_ECU_CM2250_1A

17 17
18 18
1939+ # 1603 (Y)
1939- # 1603 (DKG)

EATON
TRANSMISSION ECU
REF MOD 34B

J1939+
J1939-

23-13271-004
TRANS_CTRL_ENG_O_ECU_ETN_1A

3 3
2 2
1939+ # 1603 (Y)
1939- # 1603 (DKG)

BULKHEAD MODULE NODE

DL_1939+_ENG_O_S_BHM
DL_1939-_ENG_O_S_BHM

BULKHEAD MODULE
REF MOD 286

B B
J J
CAN_HIGH
CAN_LOW

WIRE SIZE
SHOWN IN mm²

METRIC mm ²	AWG/GA
0.5	20
0.8	18
1	16
2	14
3	12
5	10
8	8
13	6
19	4
32	2
40	1
50	0
62	2/0

DATALINK (DL)
CUMMINS ENGINE W/ EATON AUTO TRANSMISSION

DAIMLER

Daimler Trucks
North America

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MATERIAL APPROVAL: N/A

DATE: N/A

DRAWN BY: R.ERKER

DATE: 07/23/08

CHECKED BY: J.BELDING

DATE: 07/23/08

RESPONSIBLE ENGINEER: J.BELDING

DATE: 07/23/08

APPROVED BY: R.FOSMOE

DATE: 07/23/08

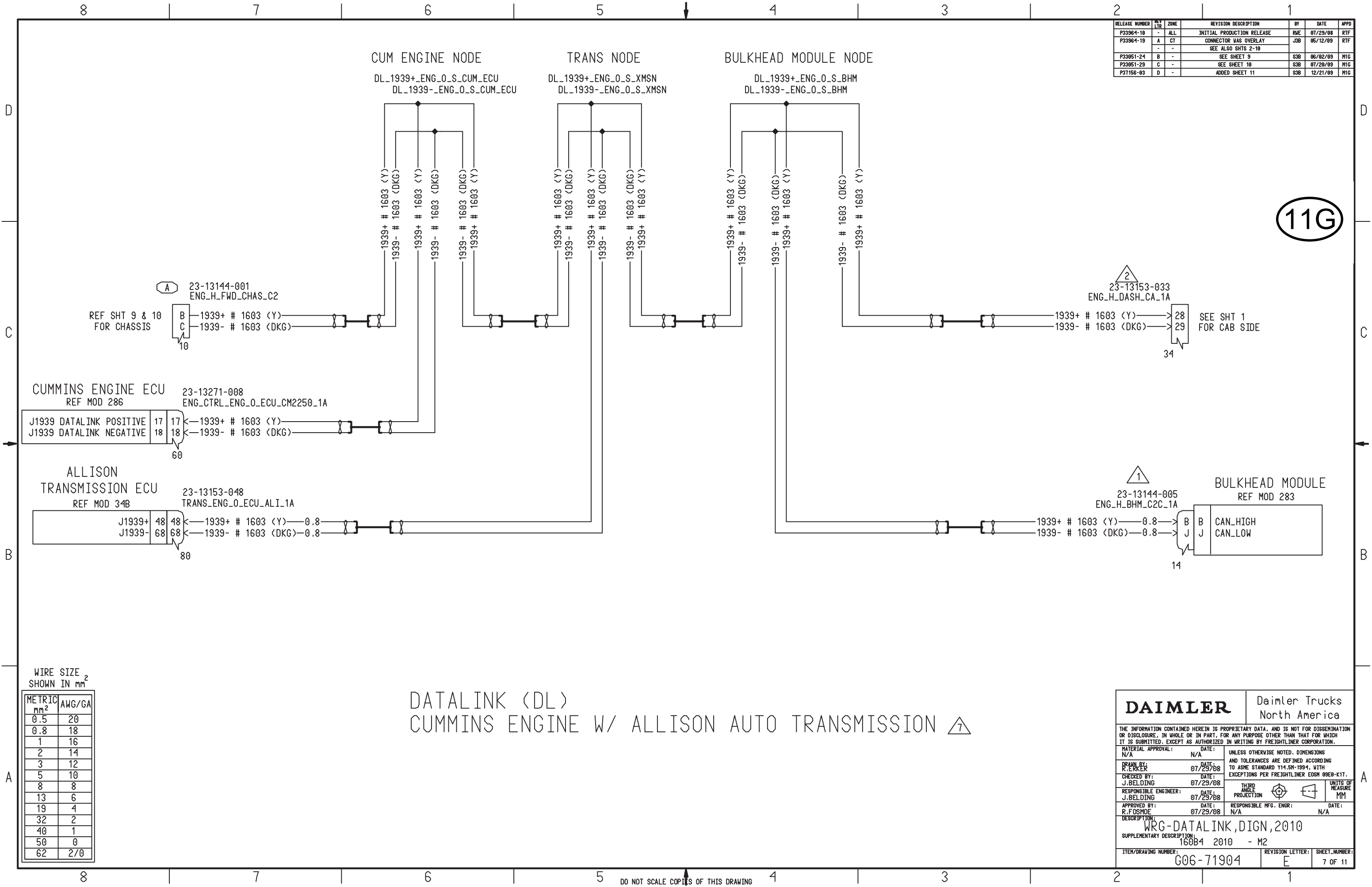
DESCRIPTION: WRG-DATALINK, DIGN, 2010

SUPPLEMENTARY DESCRIPTION: 160B4 2010 - M2

ITEM/DRAWING NUMBER: 606-71904

REVISION LETTER: E

SHEET NUMBER: 6 OF 11



RELEASE NUMBER	REV	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P33964-10	-	ALL	INITIAL PRODUCTION RELEASE	RME	07/29/08	RTF
P33964-19	A	C7	CONNECTOR WAS OVERLAY	J3B	06/12/09	RTF
	-	-	SEE ALSO SHTS 2-10			
P33051-24	B	-	SEE SHEET 9	S3B	06/02/09	MIG
P33051-29	C	-	SEE SHEET 10	S3B	07/20/09	MIG
P37156-03	D	-	ADDED SHEET 11	S3B	12/21/09	MIG

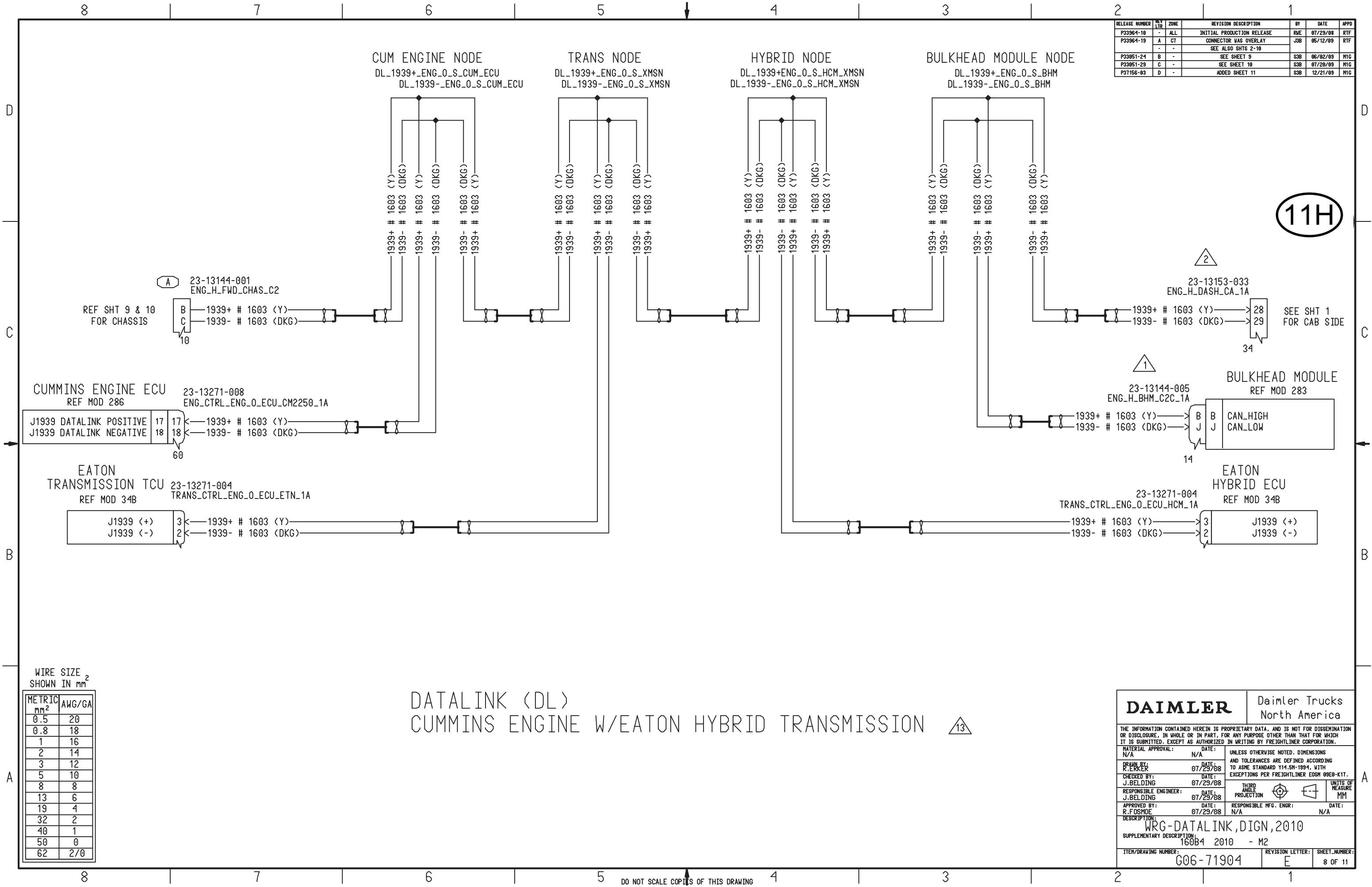
11G

WIRE SIZE
SHOWN IN mm²

METRIC mm ²	AWG/GA
0.5	20
0.8	18
1	16
2	14
3	12
5	10
8	8
13	6
19	4
32	2
40	1
50	0
62	2/0

DATA LINK (DL)
CUMMINS ENGINE W/ ALLISON AUTO TRANSMISSION

DAIMLER		Daimler Trucks North America	
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MATERIAL APPROVAL: N/A	DATE: N/A	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ASME STANDARD Y14.5M-1994, WITH EXCEPTIONS PER FREIGHTLINER EDSM 0900-K17.	
DRAWN BY: R.ELKNER	DATE: 07/29/08	THIRD ANGLE PROJECTION 	UNITS OF MEASURE MM 
CHECKED BY: J.BELDING	DATE: 07/29/08		
RESPONSIBLE ENGINEER: J.BELDING	DATE: 07/29/08		
APPROVED BY: R.FOSMOE	DATE: 07/29/08	RESPONSIBLE MFG. ENGR: N/A	DATE: N/A
DESCRIPTION: WRG-DATALINK, DIGN, 2010			
SUPPLEMENTARY DESCRIPTION: 160B4 2010 - M2			
ITEM/DRAWING NUMBER: G06-71904		REVISION LETTER: E	SHEET NUMBER: 7 OF 11



RELEASE NUMBER	REV LTR	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P33964-10	-	ALL	INITIAL PRODUCTION RELEASE	RME	07/29/08	RTF
P33964-19	A	CT	CONNECTOR WAS OVERLAY	J3B	05/12/09	RTF
	-	-	SEE ALSO SHTS 2-10			
P33951-24	B	-	SEE SHEET 9	S3B	06/02/09	MIG
P33951-29	C	-	SEE SHEET 10	S3B	07/28/09	MIG
P37156-03	D	-	ADDED SHEET 11	S3B	12/21/09	MIG

11H

WIRE SIZE
SHOWN IN mm²

METRIC mm ²	AWG/GA
0.5	20
0.8	18
1	16
2	14
3	12
5	10
8	8
13	6
19	4
32	2
40	1
50	0
62	2/0

DATALINK (DL)
CUMMINS ENGINE W/EATON HYBRID TRANSMISSION

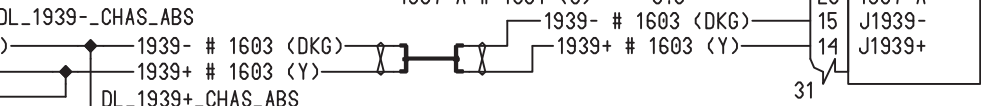
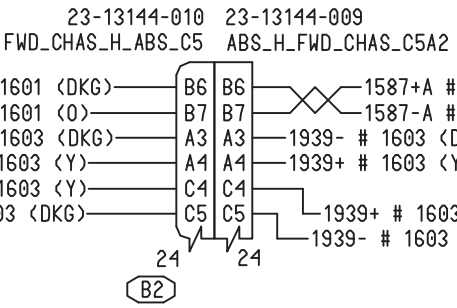
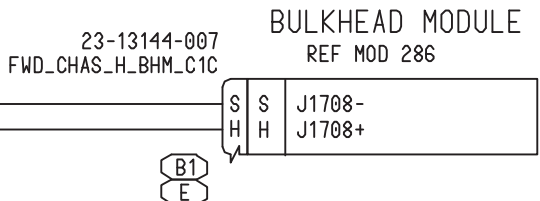
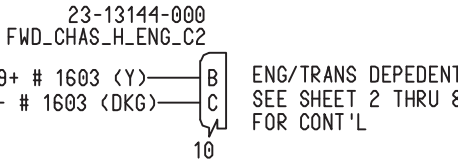
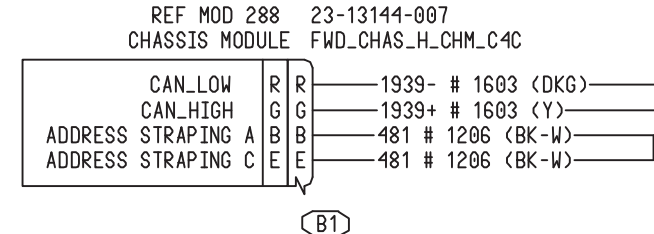
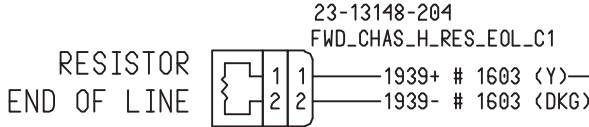


DAIMLER		Daimler Trucks North America	
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MATERIAL APPROVAL: N/A		DATE: N/A	
DRAWN BY: R.ERKER		UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ASME STANDARD Y14.5M-1994, WITH EXCEPTIONS PER FREIGHTLINER EDSM 0900-K17.	
CHECKED BY: J.BELDING		DATE: 07/29/08	
RESPONSIBLE ENGINEER: J.BELDING		DATE: 07/29/08	
APPROVED BY: R.FOSMOE		DATE: 07/29/08	
DESCRIPTION: WRG-DATALINK,DIGN,2010		THIRD ANGLE PROJECTION 	
SUPPLEMENTARY DESCRIPTION: 160B4 2010 - M2		UNITS OF MEASURE MM 	
ITEM/DRAWING NUMBER: G06-71904		RESPONSIBLE MFG. ENGR: N/A	
REVISION LETTER: E		SHEET NUMBER: 8 OF 11	

RELEASE NUMBER	REV LTR	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P33964-10	-	ALL	INITIAL PRODUCTION RELEASE	RME	07/29/08	RTF
P33964-19	A	ALL	SEE SHEETS 2-8 , 10	JOB	05/12/09	RTF
P33951-24	A	ALL	ADD HARN PROP A86-T5000-000	S3B	06/02/09	MIG
	B	SB/BC	1: REMOVED OVERLAY SYMBOLS			
	SB		2: CHANGED PINS			
	1B-SB		3: ADDED NEW CIRCUITS/CONNECTORS			
P33951-29	C	-	SEE SHEET 10	S3B	07/28/09	MIG
P37156-03	D	-	ADDED SHEET 11	S3B	12/21/09	MIG
P39290-R3	E	SB	SWAPPED CAVITIES H & S	B3H	03/31/10	RTF

111

CHASSIS MODULE NODE
DL_1939+_DASH_O_S_CHM
DL_1939-_DASH_O_S_CHM

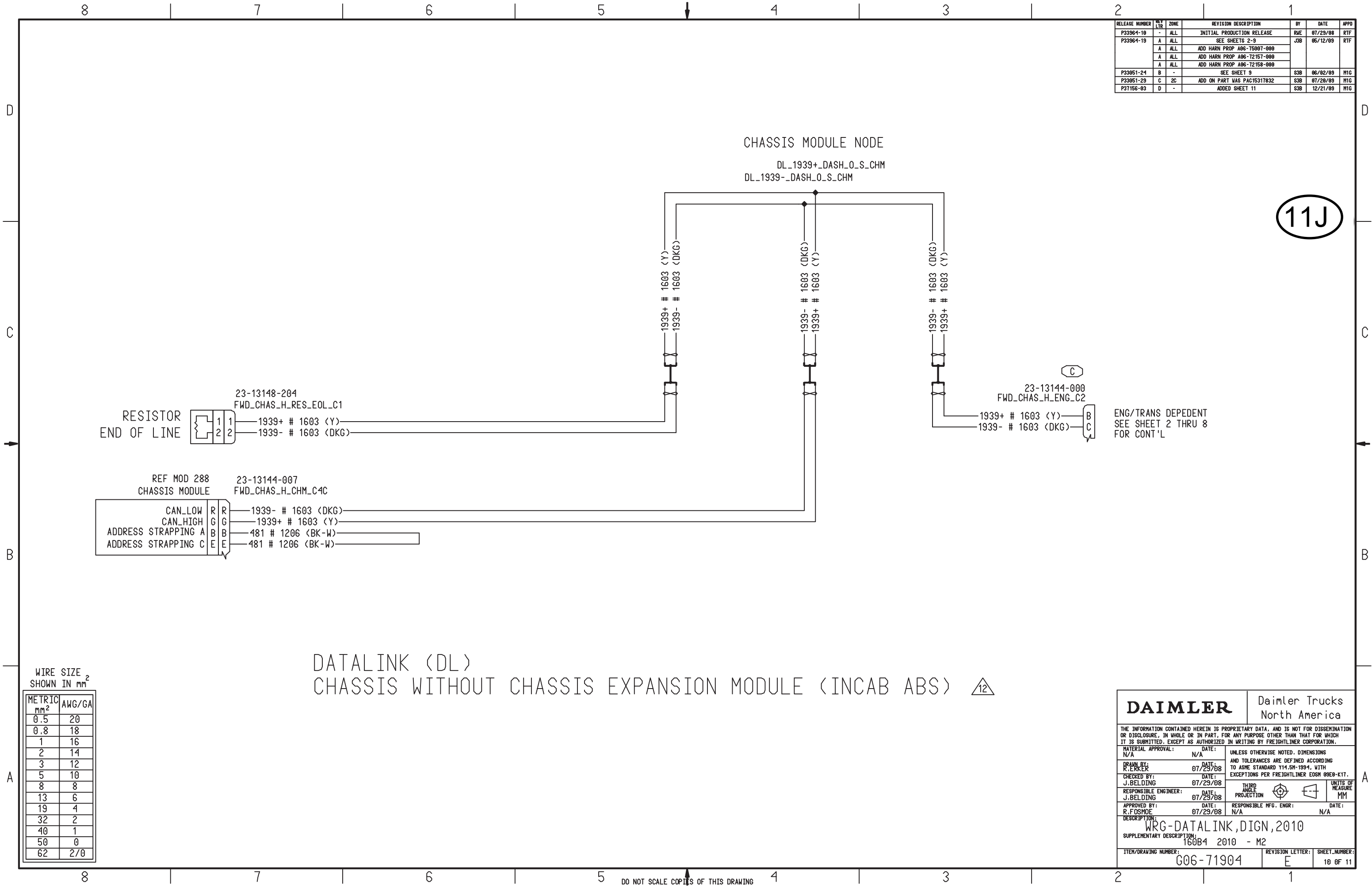


WIRE SIZE
SHOWN IN mm²

METRIC mm ²	AWG/GA
0.5	20
0.8	18
1	16
2	14
3	12
5	10
8	8
13	6
19	4
32	2
40	1
50	0
62	2/0

DATALINK (DL)
CHASSIS WITHOUT CHASSIS EXPANSION MODULE (HYD ABS) 14

DAIMLER		Daimler Trucks North America	
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MATERIAL APPROVAL: N/A	DATE: N/A	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ASME STANDARD Y14.5M-1994, WITH EXCEPTIONS PER FREIGHTLINER EDSM 0900-K17.	
DRAWN BY: R.ERKER	DATE: 07/25/08	THIRD ANGLE PROJECTION 	UNITS OF MEASURE MM 
CHECKED BY: J.BELDING	DATE: 07/29/08		
RESPONSIBLE ENGINEER: J.BELDING	DATE: 07/29/08	RESPONSIBLE MFG. ENGR: N/A	DATE: N/A
APPROVED BY: R.F.OSMOE	DATE: 07/29/08		
DESCRIPTION: WRG-DATALINK,DIGN,2010			
SUPPLEMENTARY DESCRIPTION: 160B4 2010 - M2			
ITEM/DRAWING NUMBER: G06-71904	REVISION LETTER: E		SHEET NUMBER: 9 OF 11



RELEASE NUMBER	REV LTR	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P33964-10	-	ALL	INITIAL PRODUCTION RELEASE	RME	07/23/08	RTF
P33964-19	A	ALL	SEE SHEETS 2-9	JGB	05/12/09	RTF
	A	ALL	ADD HARN PROP A06-T5007-000			
	A	ALL	ADD HARN PROP A06-T2157-000			
	A	ALL	ADD HARN PROP A06-T2158-000			
P33951-24	B	-	SEE SHEET 9	SGB	06/02/09	MTG
P33951-29	C	2C	ADD ON PART WAS PAC15317832	SGB	07/20/09	MTG
P37156-03	D	-	ADDED SHEET 11	SGB	12/21/09	MTG

11J

ENG/TRANS DEPEDENT
SEE SHEET 2 THRU 8
FOR CONT'L

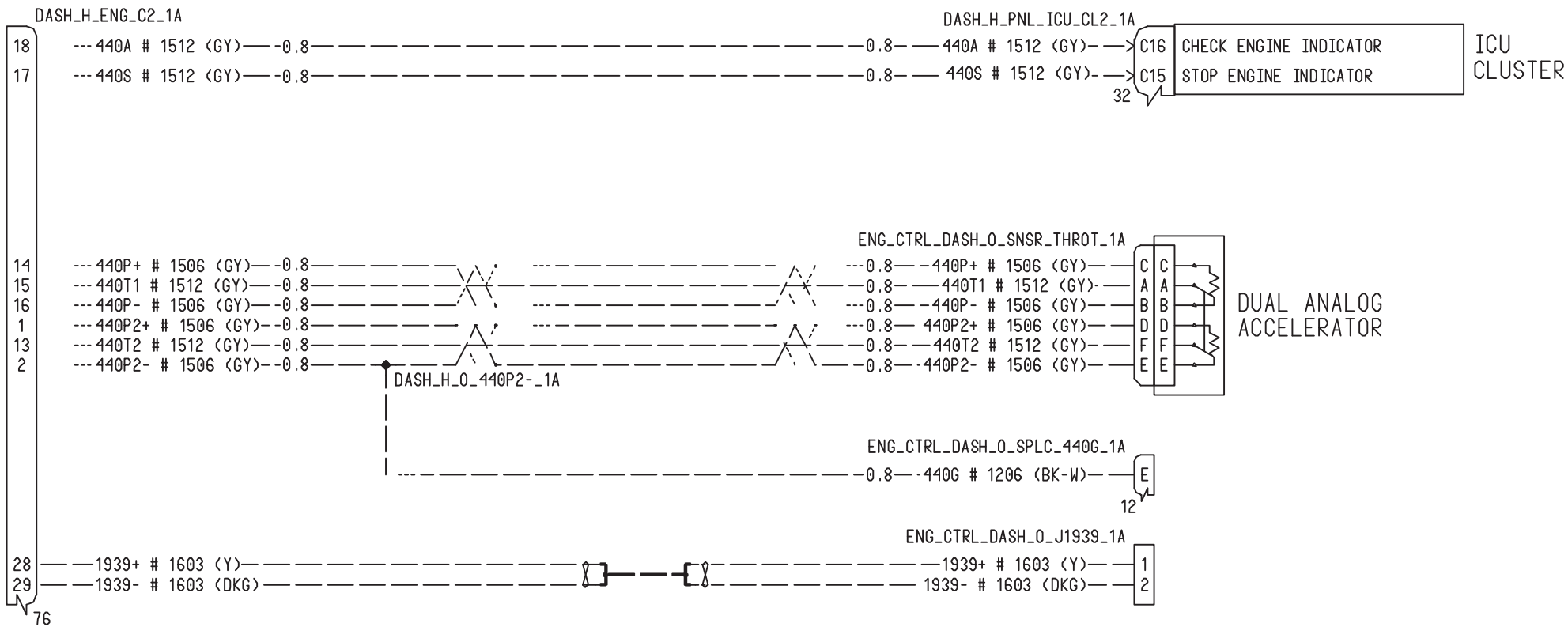
WIRE SIZE
SHOWN IN mm²

METRIC mm ²	AWG/GA
0.5	20
0.8	18
1	16
2	14
3	12
5	10
8	8
13	6
19	4
32	2
40	1
50	0
62	2/0

DATALINK (DL)
CHASSIS WITHOUT CHASSIS EXPANSION MODULE (INCAB ABS) 12

DAIMLER		Daimler Trucks North America	
THE INFORMATION CONTAINED HEREIN IS PROPRIETARY DATA, AND IS NOT FOR DISSEMINATION OR DISCLOSURE, IN WHOLE OR IN PART, FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUBMITTED, EXCEPT AS AUTHORIZED IN WRITING BY FREIGHTLINER CORPORATION.			
MATERIAL APPROVAL: N/A	DATE: N/A	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ASME STANDARD Y14.5M-1994, WITH EXCEPTIONS PER FREIGHTLINER EDSM 0908-K17.	
DRAWN BY: R.ERKER	DATE: 07/23/08		
CHECKED BY: J.BELDING	DATE: 07/23/08		
RESPONSIBLE ENGINEER: J.BELDING	DATE: 07/23/08		
APPROVED BY: R.FOSMOE	DATE: 07/23/08	RESPONSIBLE MFG. ENGR: N/A	DATE: N/A
DESCRIPTION: WRG-DATALINK,DIGN,2010			
SUPPLEMENTARY DESCRIPTION: 160B4 2010 - M2			
ITEM/DRAWING NUMBER: G06-71904	REVISION LETTER: E		SHEET NUMBER: 10 OF 11

RELEASE NUMBER	REV LTR	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P29237-80	A	-	INITIAL RELEASE	BSS	07/08/06	SDL
P29237-33	B	-	1,2 AND 3. SEE SHEET 1	LJH	07/28/06	SDL
P32795-01	C	-	C1&2. SEE SHEET 1	LJH	06/11/07	SDL
P33100-F3	D	-	SEE SHEET 1	TSM	08/15/07	TUY
P32795-13	E	1/2A	1.CORRECTED NAMES PER STANDARD	TSM	10/17/07	TUY
	-	-	2.SEE SHEET 1			



SEE
SHEET
1

REF MODULE 320

WIRE SIZE
SHOWN IN mm²

METRIC mm ²	AWG/GA
0.5	20
0.8	18
1	16
2	14
3	12
5	10
8	8
13	6
19	4
32	2
40	1
50	0
62	2/0

12B

FREIGHTLINER LLC			
THE INFORMATION CONTAINED HEREIN IS PROPRIETARY DATA, AND IS NOT FOR DISSEMINATION OR DISCLOSURE, IN WHOLE OR IN PART, FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUBMITTED. EXCEPT AS AUTHORIZED IN WRITING BY FREIGHTLINER CORPORATION.			
MATERIAL APPROVAL: N/A	DATE: N/A	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ASME STANDARD Y14.5M-1994, WITH EXCEPTIONS PER FREIGHTLINER EOSM 09E0-K17.	
DRAWN BY: J.HARRIS	DATE: 02/11/06		
CHECKED BY: T.HOWARD	DATE: 02/11/06		
RESPONSIBLE ENGINEER: T.HOWARD	DATE: 02/11/06	THIRD ANGLE PROJECTION	UNITS OF MEASURE MM
APPROVED BY: S.LARSEN	DATE: 02/11/06	RESPONSIBLE MFG. ENGR: M.HILLIG	DATE: 10/22/07
DESCRIPTION: WRG-ENG CTRL,CUM,M2			
SUPPLEMENTARY DESCRIPTION: 283B4 M2 - 2007 EPA			
ITEM/DRAWING NUMBER: G06-59559		REVISION LETTER: E	SHEET NUMBER: 2 OF 2

13A



HEATED MIRROR,RIGHT (MOD744)
P/N: A22-52242-005
MATING CONN: PAC15326679

HEATED MIRROR SWITCH (MOD744)
P/N: A06-37217-002
MATING CON: 06-42557-003

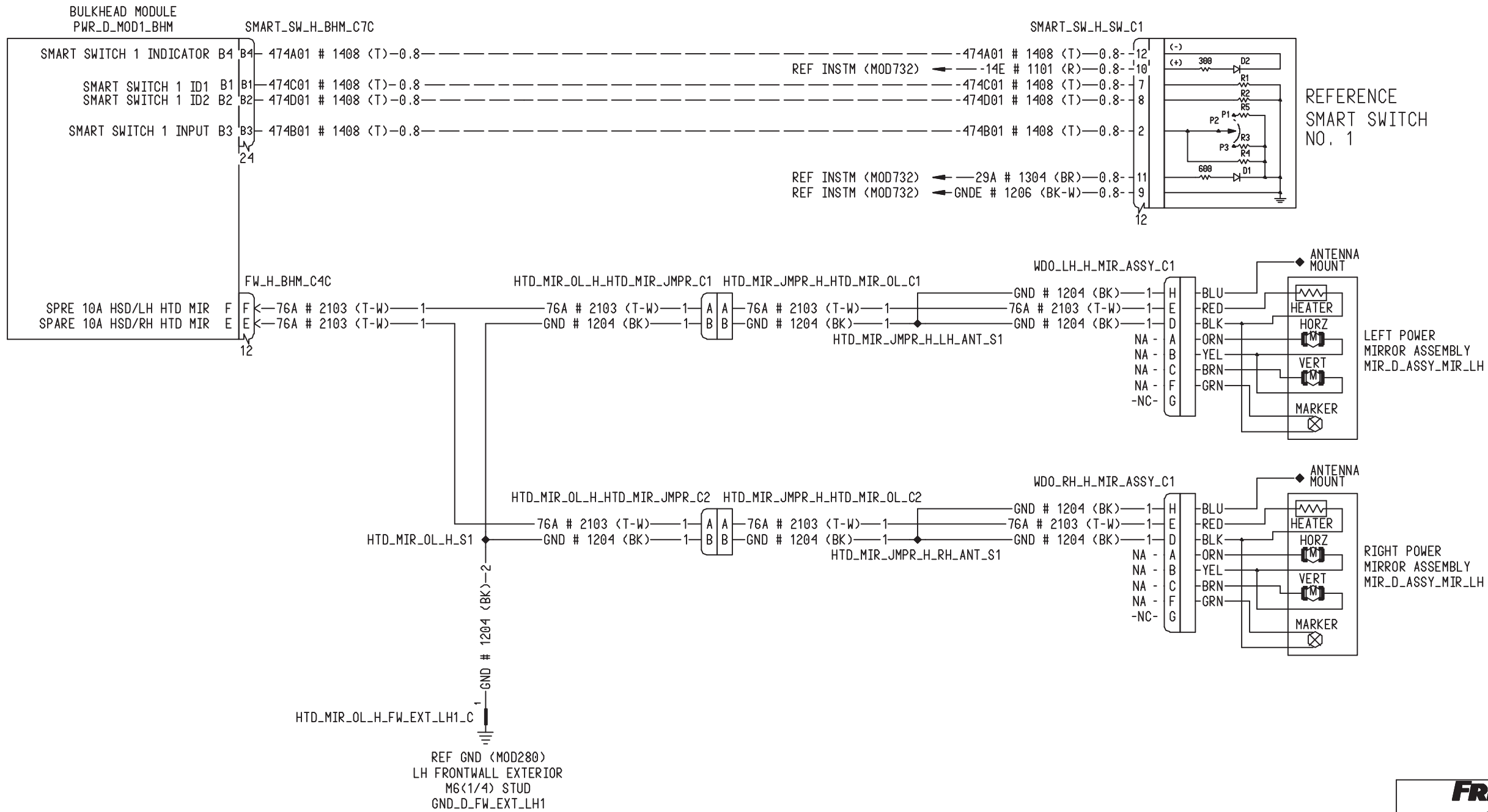
BULKHEAD MODULE (MOD285)
P/N: 06-34529-000
MATING CON: PAC15326910;12W

MIR - HEATED MIRROR WITHOUT ANTENNA

1. PART NUMBERS SHOWN ARE FOR REFERENCE ONLY,
MAY NOT BE INDICATIVE FOR SPECIFIC TRUCK IN PRODUCTION
2. HARNESSES FOUND IN MODULE 656 (DOOR WIRING)
3. HEATED MIRROR SWITCH WIRING LOCATED IN MODULE 329
4. NUMBER SHOWN BELOW DISCONNECT IMPLIES TOTAL CAVITIES OF THAT DISCONNECT
- FOR ENGINEERING REFERENCE ONLY;
VARIANT OPTIONS HAVE BEEN USED
ON THIS DRAWING

ITEM NUMBER: 006-04556-000	DESCRIPTION: WRG - HTD MIRROR, M2	FREEHLINER LLC				
		THE INFORMATION CONTAINED HEREIN IS PROPRIETARY DATA, AND IS NOT FOR DISSEMINATION OR DISCLOSURE, IN WHOLE OR IN PART, IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF FREEHLINER CORPORATION.				
		MATERIAL APPROVAL:	DATE:	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ASME STANDARD Y14.5-1994, WITH EXCEPTIONS PER FREEHLINER EOSH 0960-KIT.		
		xxx	xx/xx/xx			
		DRAWN BY: M.DOGAN	DATE: 06/29/01			
		CHECKED BY: C.BEYER	DATE: 06/29/01			
		RESPONSIBLE ENGINEER: C.BEYER	DATE: 06/29/01	THIRD ANGLE PROJECTION	 	UNITS OF MEASURE MM
		APPROVED BY: S.NADIG	DATE: 06/29/01	RESPONSIBLE MFG. ENGR: M.HILLIG	DATE: 08/20/07	
		DISCUSSION:				
		WRG - HTD MIRROR, M2 74EB4 BUSINESS CLASS SUCCESSOR				
ITEM/DRAWING NUMBER:		REVISION LETTER:	SHEET_NUMBER:			
G06-G04556		H	1 OF 2			

RELEASE NUMBER	REV	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P17889-02	C	ALL	ADDED SHEET 2	LTN	02/05/02	CAC
P18046-03	D	ALL	UPDATED ALL INSTANCES	LD	06/14/02	CAC
	D	B3/C3	ADDED CLASS PROP TO DANGLING PINS			
	D	C3/D3	UPDATED PINS & ADDED NOTE 4			
P20692-03	E	-	UPDATE HARNESS NUMBER	LTN	11/14/02	CAC
P20692-04	F	3C	SEE SHT 1	WER	03/01/03	NGP
P21557-09	G	-	SEE SHEET 1	LTN	10/06/05	PCB
P31049-03	H	-	SEE SHEET 1	LJH	07/27/07	BD



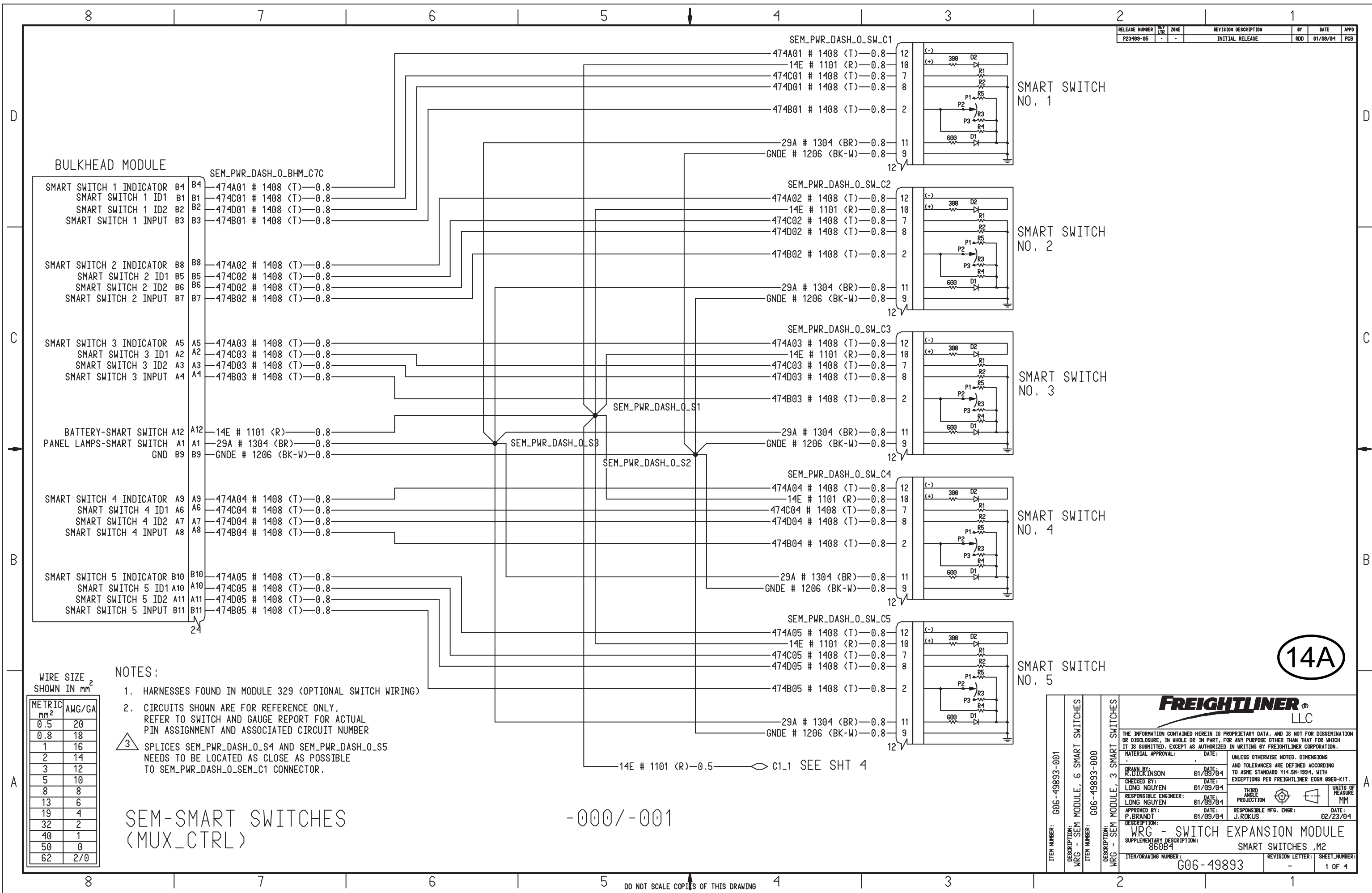
13B

WIRE SIZE
SHOWN IN mm²

METRIC mm ²	AWG/GA
0.5	20
0.8	18
1	16
2	14
3	12
5	10
8	8
13	6
19	4
32	2
40	1
50	0
62	2/0

MIRROR - HEATED WITH ANTENNA (MIR)

FREIGHTLINER LLC			
THE INFORMATION CONTAINED HEREIN IS PROPRIETARY DATA, AND IS NOT FOR DISSEMINATION OR DISCLOSURE, IN WHOLE OR IN PART, FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUBMITTED, EXCEPT AS AUTHORIZED IN WRITING BY FREIGHTLINER CORPORATION.			
MATERIAL APPROVAL:	DATE:	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ASME STANDARD Y14.5M-1994, WITH EXCEPTIONS PER FREIGHTLINER EOSH 09E0-K17.	
xxx	xx/xx/xx		
DRAWN BY:	DATE:		
L.NGUYEN	02/05/02		
CHECKED BY:	DATE:		
L.NGUYEN	02/05/02		
RESPONSIBLE ENGINEER:	DATE:	THIRD ANGLE PROJECTION	UNITS OF MEASURE
L.NGUYEN	02/05/02		MM
APPROVED BY:	DATE:	RESPONSIBLE MFG. ENGR:	DATE:
C.COOPER	02/08/02	M.HILL IG	08/20/07
DESCRIPTION:			
WRG - HEATED MIRROR			
SUPPLEMENTARY DESCRIPTION:			
74EB4 - M2			
ITEM/DRAWING NUMBER:	REVISION LETTER:	SHEET NUMBER:	
G06-40556	H	2 OF 2	



RELEASE NUMBER	REV LTR	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P23-009-05	-	-	INITIAL RELEASE	RDD	01/09/04	PCB

14A

WIRE SIZE SHOWN IN mm ²	
METRIC mm ²	AWG/GA
0.5	20
0.8	18
1	16
2	14
3	12
5	10
8	8
13	6
19	4
32	2
40	1
50	0
62	2/0

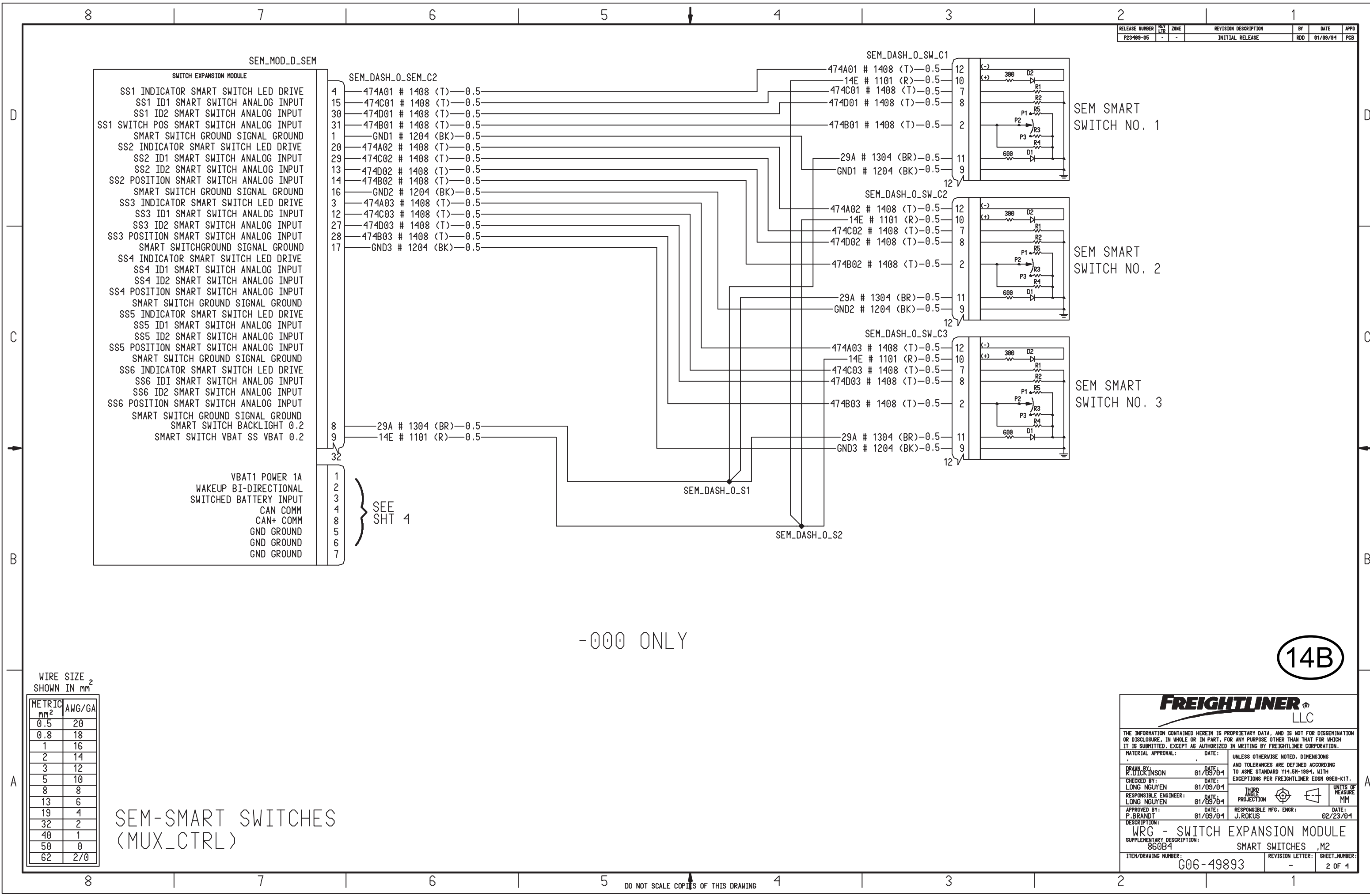
NOTES:

- HARNESSES FOUND IN MODULE 329 (OPTIONAL SWITCH WIRING)
 - CIRCUITS SHOWN ARE FOR REFERENCE ONLY, REFER TO SWITCH AND GAUGE REPORT FOR ACTUAL PIN ASSIGNMENT AND ASSOCIATED CIRCUIT NUMBER
- 3 SPLICES SEM_PWR_DASH_O_S4 AND SEM_PWR_DASH_O_S5 NEEDS TO BE LOCATED AS CLOSE AS POSSIBLE TO SEM_PWR_DASH_O_SEM_C1 CONNECTOR.

SEM-SMART SWITCHES
(MUX_CTRL)

-000/-001

ITEM NUMBER: G06-49893-001	DESCRIPTION: WRC - SEM MODULE, 6 SMART SWITCHES	ITEM NUMBER: G06-49893-000	DESCRIPTION: WRC - SEM MODULE, 3 SMART SWITCHES	FREIGHTLINER LLC							
				THE INFORMATION CONTAINED HEREIN IS PROPRIETARY DATA, AND IS NOT FOR DISSEMINATION OR DISCLOSURE, IN WHOLE OR IN PART, FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUBMITTED, EXCEPT AS AUTHORIZED IN WRITING BY FREIGHTLINER CORPORATION.							
DRAWN BY: R. DICKINSON		DATE: 01/09/04		UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ASME STANDARD Y14.5M-1994, WITH EXCEPTIONS PER FREIGHTLINER EOSH 0900-K17.							
CHECKED BY: LONG NGUYEN		DATE: 01/09/04		THIRD ANGLE PROJECTION		UNITS OF MEASURE: MM					
RESPONSIBLE ENGINEER: LONG NGUYEN		DATE: 01/09/04		APPROVED BY: P. BRANDT							
DATE: 01/09/04		RESPONSIBLE MFG. ENGR: J. ROKUS		DATE: 02/23/04							
DESCRIPTION: WRC - SWITCH EXPANSION MODULE				SUPPLEMENTARY DESCRIPTION: 860B4 SMART SWITCHES ,M2							
ITEM/DRAWING NUMBER: G06-49893				REVISION LETTER: -		SHEET NUMBER: 1 OF 4					



-000 ONLY

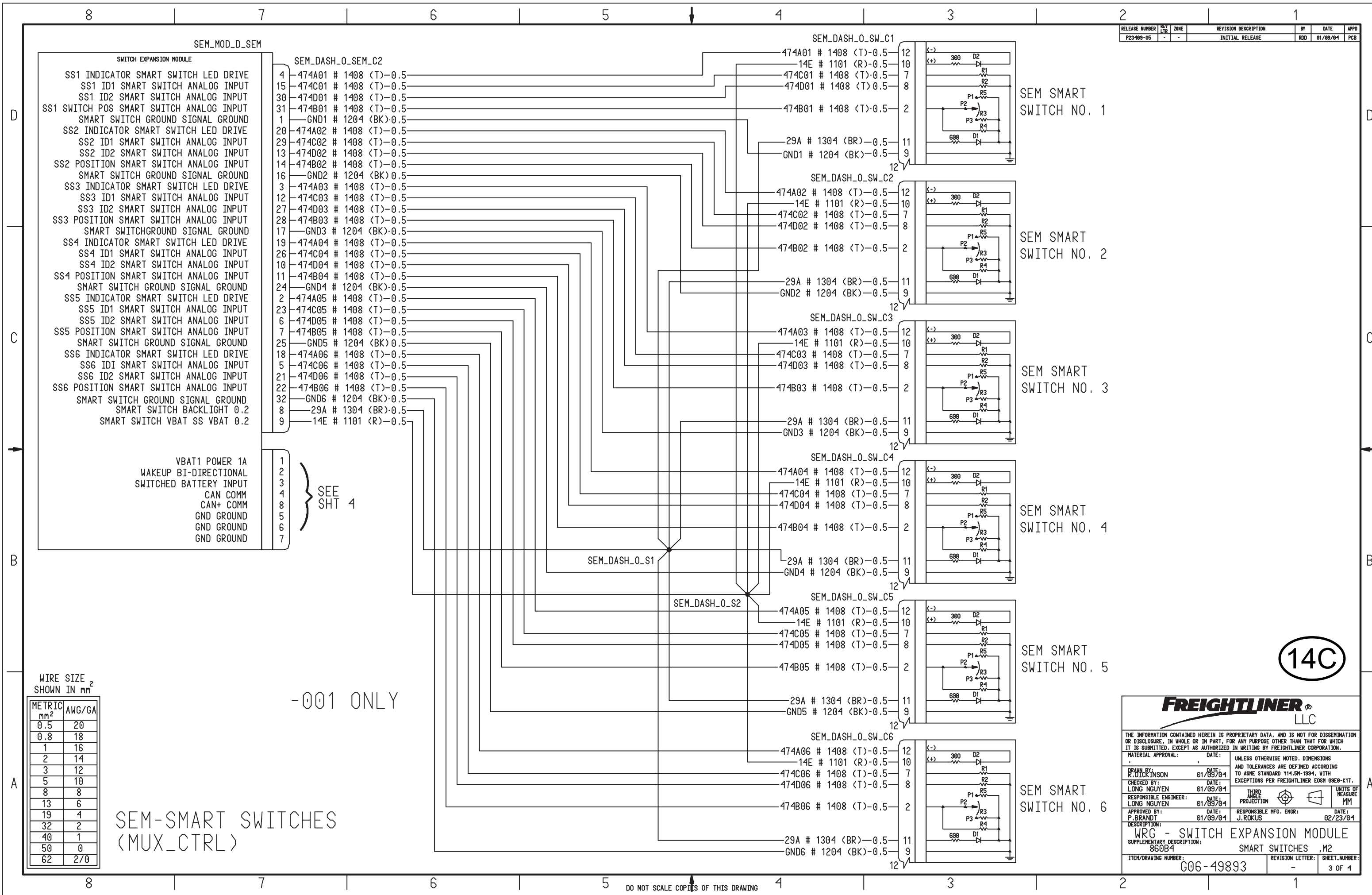
WIRE SIZE
SHOWN IN mm²

METRIC mm ²	AWG/GA
0.5	20
0.8	18
1	16
2	14
3	12
5	10
8	8
13	6
19	4
32	2
40	1
50	0
62	2/0

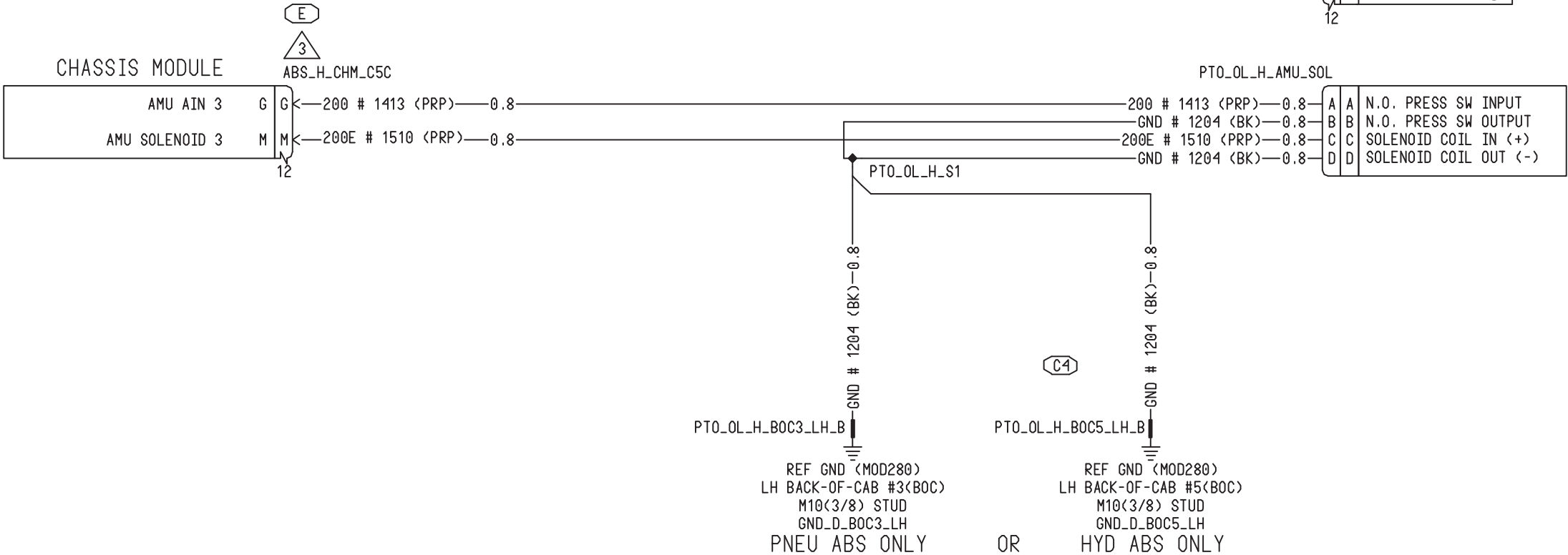
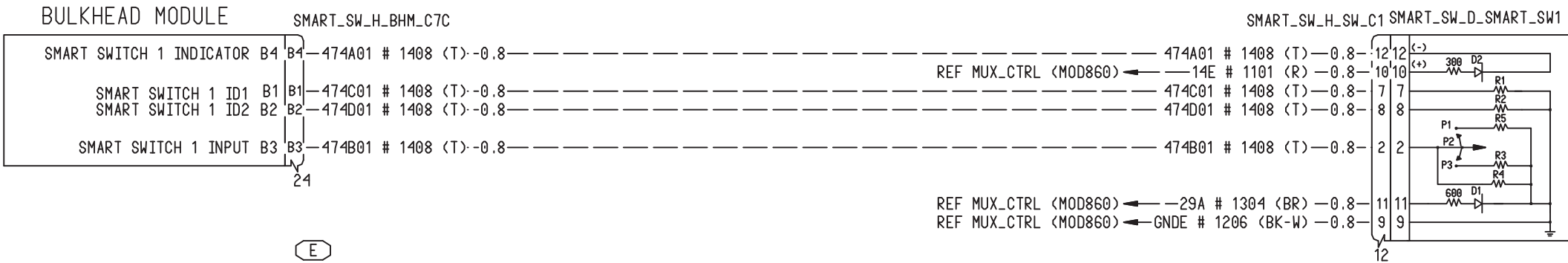
SEM-SMART SWITCHES
(MUX_CTRL)

FREIGHTLINER LLC	
THE INFORMATION CONTAINED HEREIN IS PROPRIETARY DATA, AND IS NOT FOR DISSEMINATION OR DISCLOSURE, IN WHOLE OR IN PART, FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUBMITTED, EXCEPT AS AUTHORIZED IN WRITING BY FREIGHTLINER CORPORATION.	
MATERIAL APPROVAL:	DATE:
DRAWN BY: R. DICKINSON	DATE: 01/09/04
CHECKED BY: LONG NGUYEN	DATE: 01/09/04
RESPONSIBLE ENGINEER: LONG NGUYEN	DATE: 01/09/04
APPROVED BY: P. BRANDT	DATE: 01/09/04
UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ASME STANDARD Y14.5M-1994, WITH EXCEPTIONS PER FREIGHTLINER EOSH 0900-K17.	
THIRD ANGLE PROJECTION	UNITS OF MEASURE MM
RESPONSIBLE MFG. ENGR: J. ROKUS	DATE: 02/23/04
DESCRIPTION: WRG - SWITCH EXPANSION MODULE 860B4 SMART SWITCHES M2	
ITEM/DRAWING NUMBER: G06-49893	REVISION LETTER: -
SHEET NUMBER: 2 OF 4	

RELEASE NUMBER	REV LTR	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P23-498-95	-	-	INITIAL RELEASE	RDD	01/09/04	PCB



RELEASE NUMBER	REV LTR	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P88716-12	-	-	INITIAL PRODUCTION RELEASE	MG	08/24/01	SDL
P88716-50	A	A2	CORRECT MASTER NUMBER	MND	10/31/01	SDL
P19928-02	B	-	UPDATE OVERLAY SYMBOL	DDM	08/14/02	PCB
P21178-01	B	C5	IDENTIFIER WAS PTO_H_CHASS_S1	LD	01/30/03	PCB
	B	B5	IDENTIFIER WAS GND_D_BOC3_LH_B			
	C	1B	DELETED REFERENCE COMPONENTS			
	C1	-	ADD A06-46479-L A06-46845-L PROPERTY			
	C2	8B	ADDED WIRE SIZE NOTE			
P26684-01	C3	8A	DELETED NOTE 1	TSM	2/22/05	CAG
	C4	4B	ADDED BRANCH FOR HYD ABS			
	D	-	ADDED A06-54621-L PROPERTY			
	D1	3C/3D	SWITCH PART NO A06-3721T-077			
P28277-00	-	-	WAS A06-3721T-XXX	TDK	05/23/06	EJK
	E	7C/8A	ADDED NOTE 3			



WIRE SIZE SHOWN IN mm²

GAUGE/METRIC	AWG
0.35	22
0.50	20
0.80	18
1.00	16
2.00	14
3.00	12
5.00	10
8.00	8
13.00	6
19.00	4
32.00	2
40.00	1
50.00	0
62.00	2/0

PTO CONTROL (PTO)

2. HARNESSES FOUND IN MODULE 885 (PTO CONTROL)

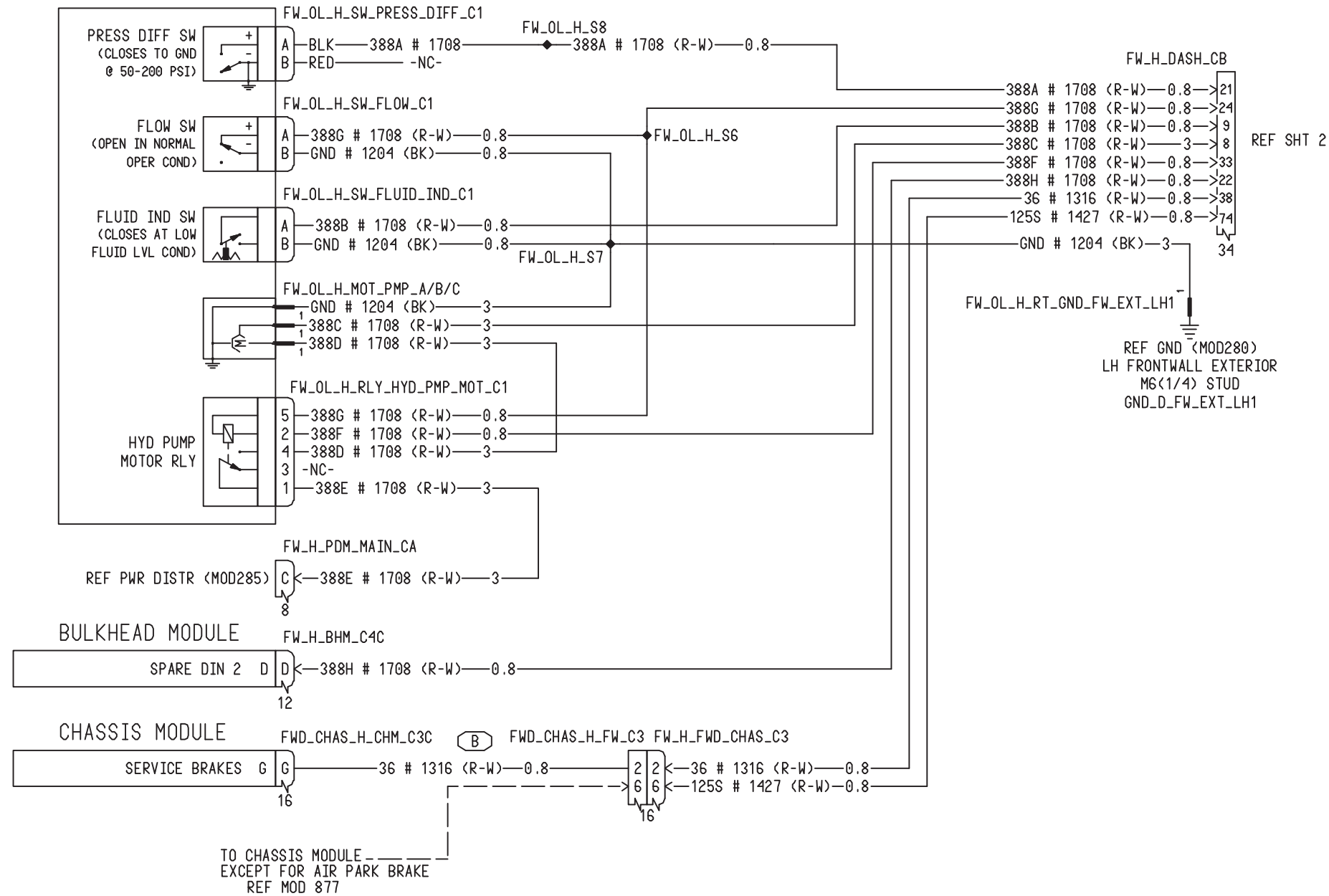
ACTUAL CAVITY LOCATIONS TO BE DETERMINED THROUGH THE CIRCUIT-TO_PIN REPORT.

ITEM NUMBER: G06-42213-000	DESCRIPTION: WRG -PTO CONTROLS, M2	FREIGHTLINER LLC	
		THE INFORMATION CONTAINED HEREIN IS PROPRIETARY DATA, AND IS NOT FOR DISSEMINATION OR DISCLOSURE, IN WHOLE OR IN PART, FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUBMITTED. EXCEPT AS AUTHORIZED IN WRITING BY FREIGHTLINER CORPORATION.	
		MATERIAL APPROVAL: XXXX	DATE: xx/xx/xx
		CHECKED BY: MG	DATE: 08/20/01
ITEM/DRAWING NUMBER: G06-42213	REVISION LETTER: E	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ASME STANDARD Y14.5M-1994, WITH EXCEPTIONS PER FREIGHTLINER EOHM 0909-K17.	
		RESPONSIBLE ENGINEER: MG	DATE: 08/20/01
		APPROVED BY: SDL	DATE: 08/20/01
		THIRD ANGLE PROJECTION	
DESCRIPTION: WRG -PTO CONTROLS, M2		BUSINESS CLASS SUCCESSOR	
REVISION LETTER: E		SHEET NUMBER: 1 OF 1	



RELEASE NUMBER	REV	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P20995-05	-	-	INITIAL RELEASE	NGS	02/06/03	PCB
P19243-01	A	-	ADDED HARNESS PROPERTIES	LD	02/25/03	PCB
P29126-01	B	-	REMOVED HARNESS PROPERTIES	SIS	04/01/06	A4S
	B5	-	ADDED A06-59877,59879 HARNESS PROP	SIS	04/01/06	A4S
	-	-	CONVERTED TO ALL 23 PART NUMBERS			

HYDROMAX II & MASTER CYL



WIRE SIZE
SHOWN IN mm²

METRIC mm ²	AWG/GA
0.5	20
0.8	18
1	16
2	14
3	12
5	10
8	8
13	6
19	4
32	2
40	1
50	0
62	2/0

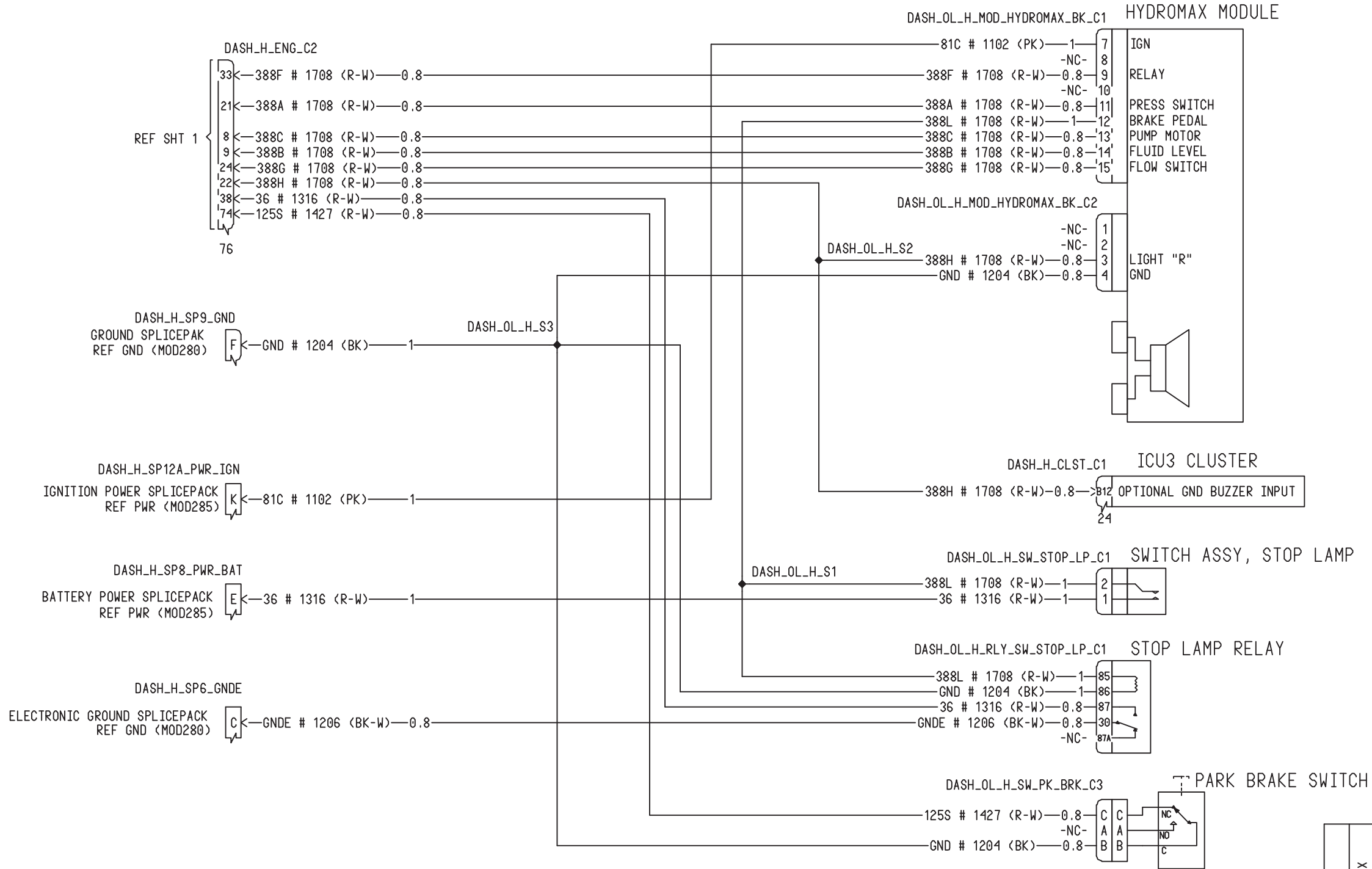
BRAKE SERVICE-HYDRAULIC HYDROMAX (BK SVCE)

1. HARNESS FOUND IN MODULES 877 (BRAKE SERVICE)
288, (FWD CHASSIS)

18A

ITEM NUMBER: G06-44429-000		DESCRIPTION: WRG-BK_SVCE, HYD, HYDROMAX		FREIGHTLINER LLC	
				THE INFORMATION CONTAINED HEREIN IS PROPRIETARY DATA, AND IS NOT FOR DISSEMINATION OR DISCLOSURE, IN WHOLE OR IN PART, FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUBMITTED, EXCEPT AS AUTHORIZED IN WRITING BY FREIGHTLINER CORPORATION.	
MATERIAL APPROVAL: XXX DATE: 05/08/02		UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED ACCORDING TO ASME STANDARD Y14.5M-1994, WITH EXCEPTIONS PER FREIGHTLINER EOSH 09E9-K17.		THIRD ANGLE PROJECTION	
DRAWN BY: M.SCHATZ DATE: 05/08/02		CHECKED BY: S.PERRON DATE: 05/08/02		RESPONSIBLE ENGINEER: M.SCHATZ DATE: 05/08/02	
APPROVED BY: P.BRANDT DATE: 05/08/02		RESPONSIBLE MFG. ENGR: M.HILL IG		DATE: 11/09/06	
DESCRIPTION: WRG-BK_SVCE, HYD, HYDROMAX SUPPLEMENTARY DESCRIPTION: 877B4 M2					
ITEM/DRAWING NUMBER: G06-44429		REVISION LETTER: B		SHEET NUMBER: 1 OF 2	

RELEASE NUMBER	REV LTR	ZONE	REVISION DESCRIPTION	BY	DATE	APPD
P20995-05	-	XXX	INITIAL RELEASE	HGS	02/06/03	PCB
P19243-01	A	-	SEE SHEET 1	LD	02/25/03	PCB
P29126-01	B	-	SEE SHEET 1	SIS	04/01/06	A4S
			CONVERTED TO ALL 23 PART NUMBERS			



WIRE SIZE SHOWN IN mm²

GAUGE/METRIC	AWG
0.35	22
0.50	20
0.80	18
1.00	16
2.00	14
3.00	12
5.00	10
8.00	8
13.00	6
19.00	4
32.00	2
40.00	1
50.00	0
62.00	2/0

BRAKE SERVICE-HYDRAULIC HYDROMAX (BK SVCE)

18B

ITEM NUMBER: G06-44429-000	DESCRIPTION: WG-BK-SRVC, HYD, HYDROMAX	FREIGHTLINER LLC	
		THE INFORMATION CONTAINED HEREIN IS PROPRIETARY DATA, AND IS NOT FOR DISSEMINATION OR DISCLOSURE, IN WHOLE OR IN PART, FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUBMITTED, EXCEPT AS AUTHORIZED IN WRITING BY FREIGHTLINER CORPORATION.	
		MATERIAL APPROVAL: XXX	DATE: 05/08/02
		CHECKED BY: S. PERRON	DATE: 05/08/02
ITEM/DRAWING NUMBER: G06-44429	REVISION LETTER: B	SHEET NUMBER: 2 OF 2	APPROVED BY: P. BRANDT
			DATE: 05/08/02
			RESPONSIBLE MFG. ENGR: M. HILL
			DATE: 11/09/06