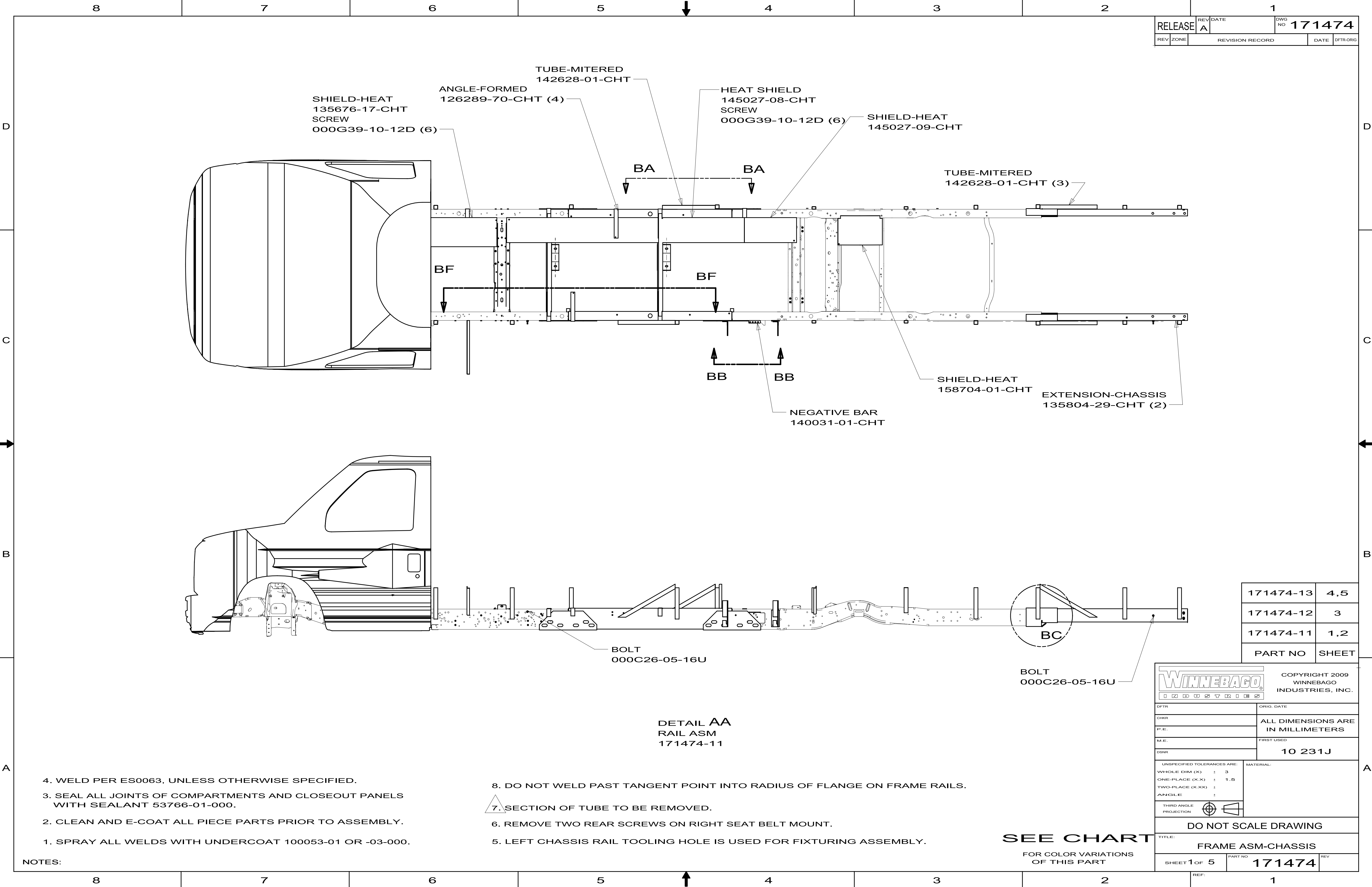
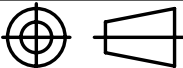
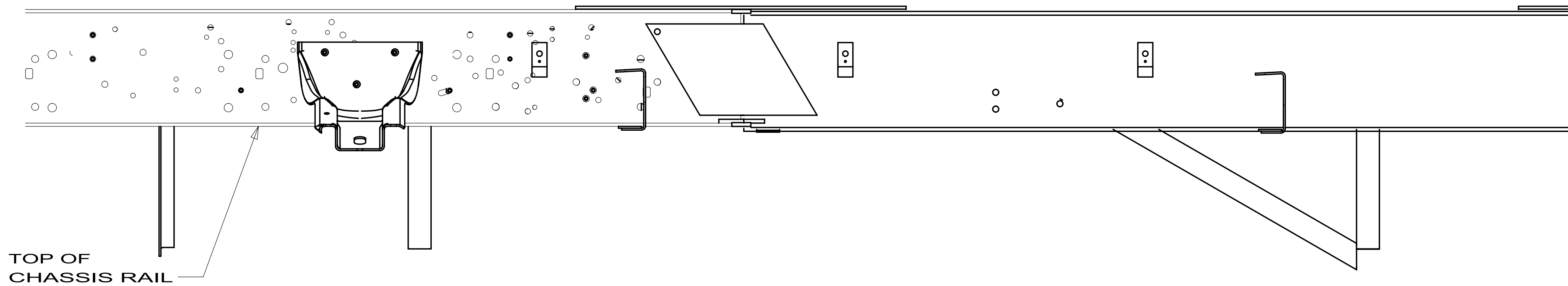




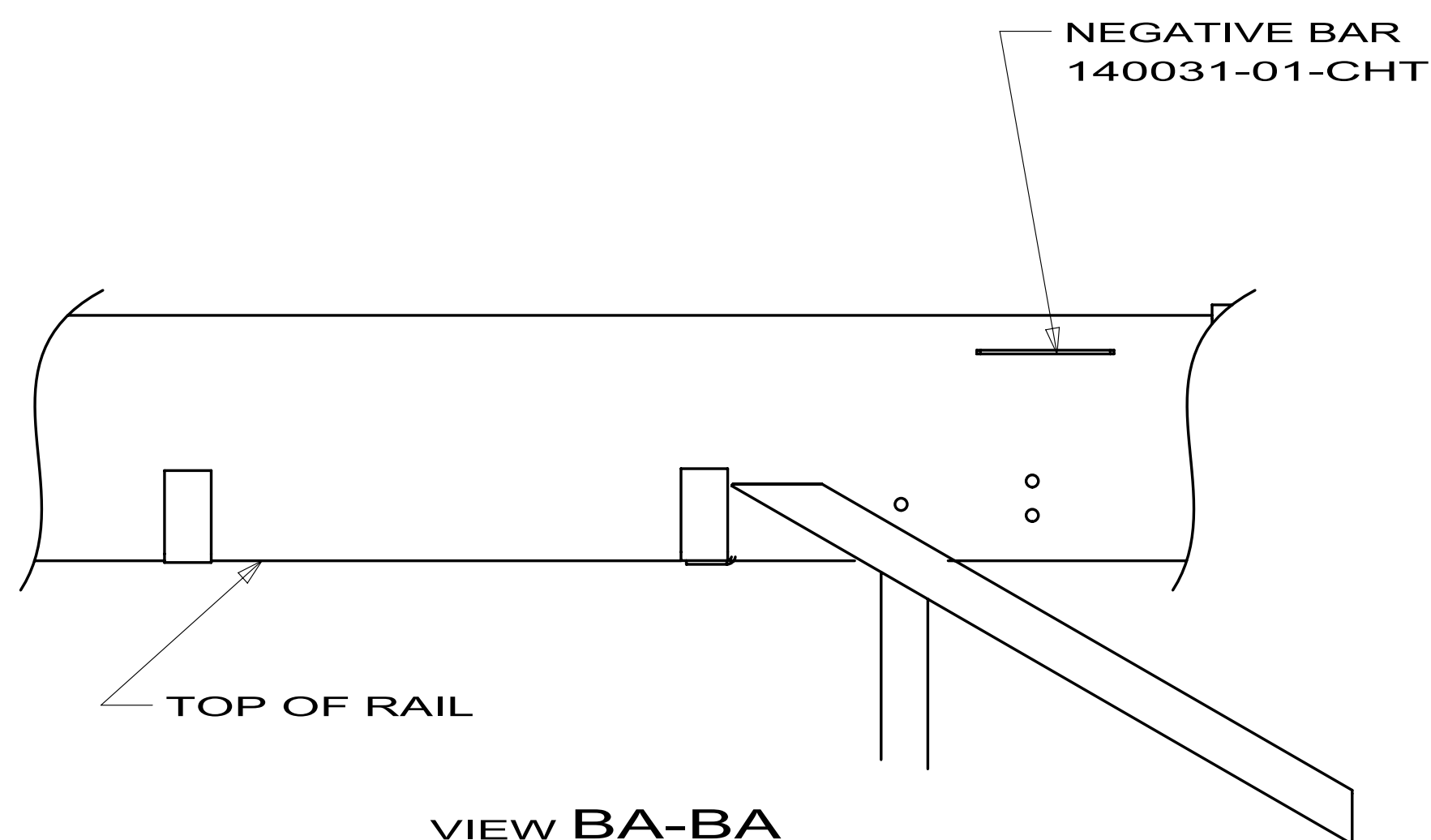
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REV	ZONE	REVISION RECORD			DATE
					DATE
					DATE

171474-13	4,5
171474-12	3
171474-11	1,2
PART NO	SHEET

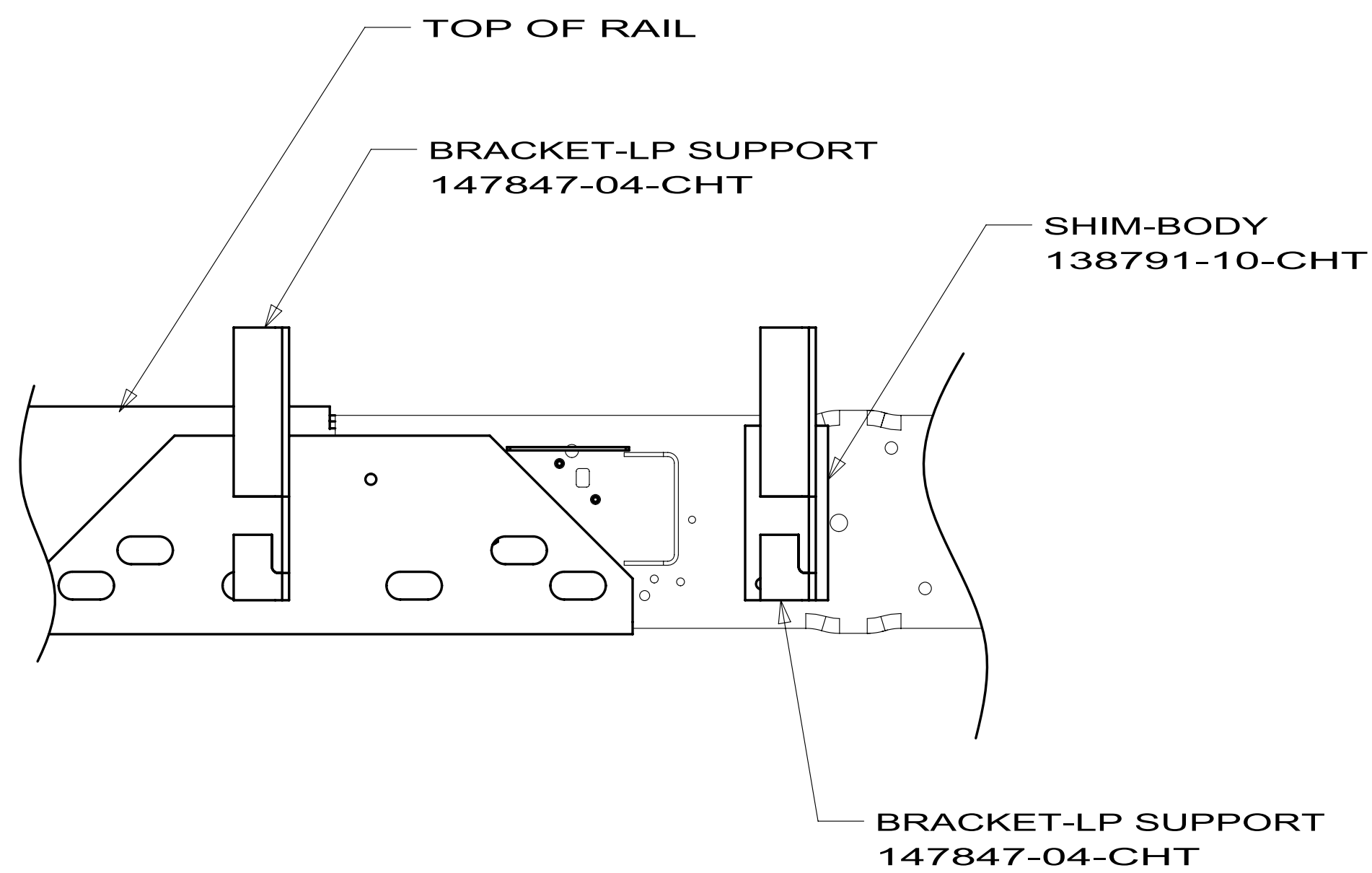
WINNEBAGO® INDUSTRIES		COPYRIGHT 2009 WINNEBAGO INDUSTRIES, INC.	
DFTF		ORIG. DATE	
CHKR		ALL DIMENSIONS ARE IN MILLIMETERS	
P.E.			
M.E.		FIRST USED	
DSNR		10 231J	
UNSPECIFIED TOLERANCES ARE:		MATERIAL:	
WHOLE DIM (X) ± 3			
ONE-PLACE (X.X) ± 1.5			
TWO-PLACE (X.XX) ±			
ANGLE ±			
THIRD ANGLE PROJECTION			
DO NOT SCALE DRAWING			
TITLE:			
FRAME ASM-CHASSIS			
SHEET 1 of 5		PART NO	REV
		171474	



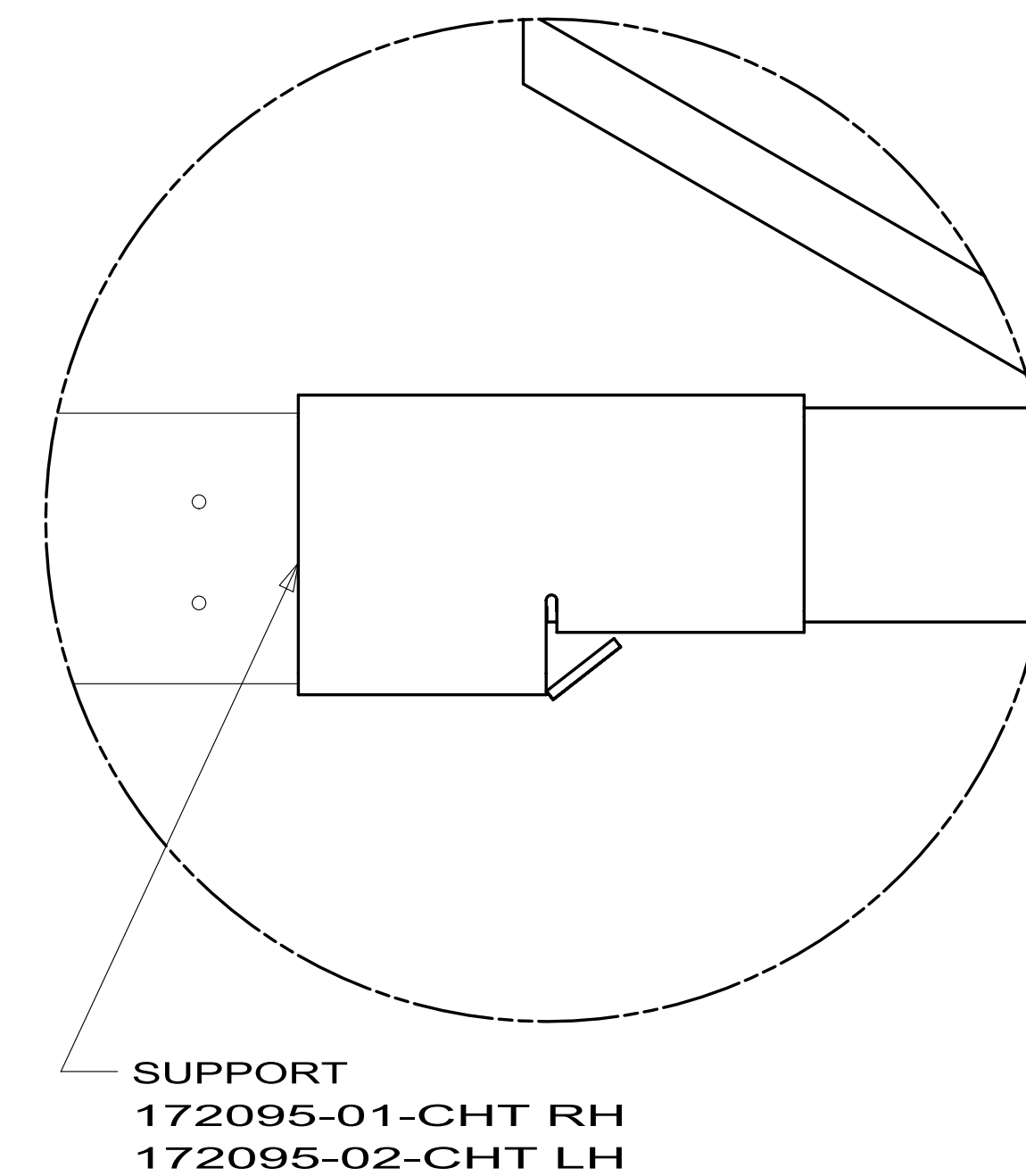
SECTION BF-BF



VIEW BA-BA

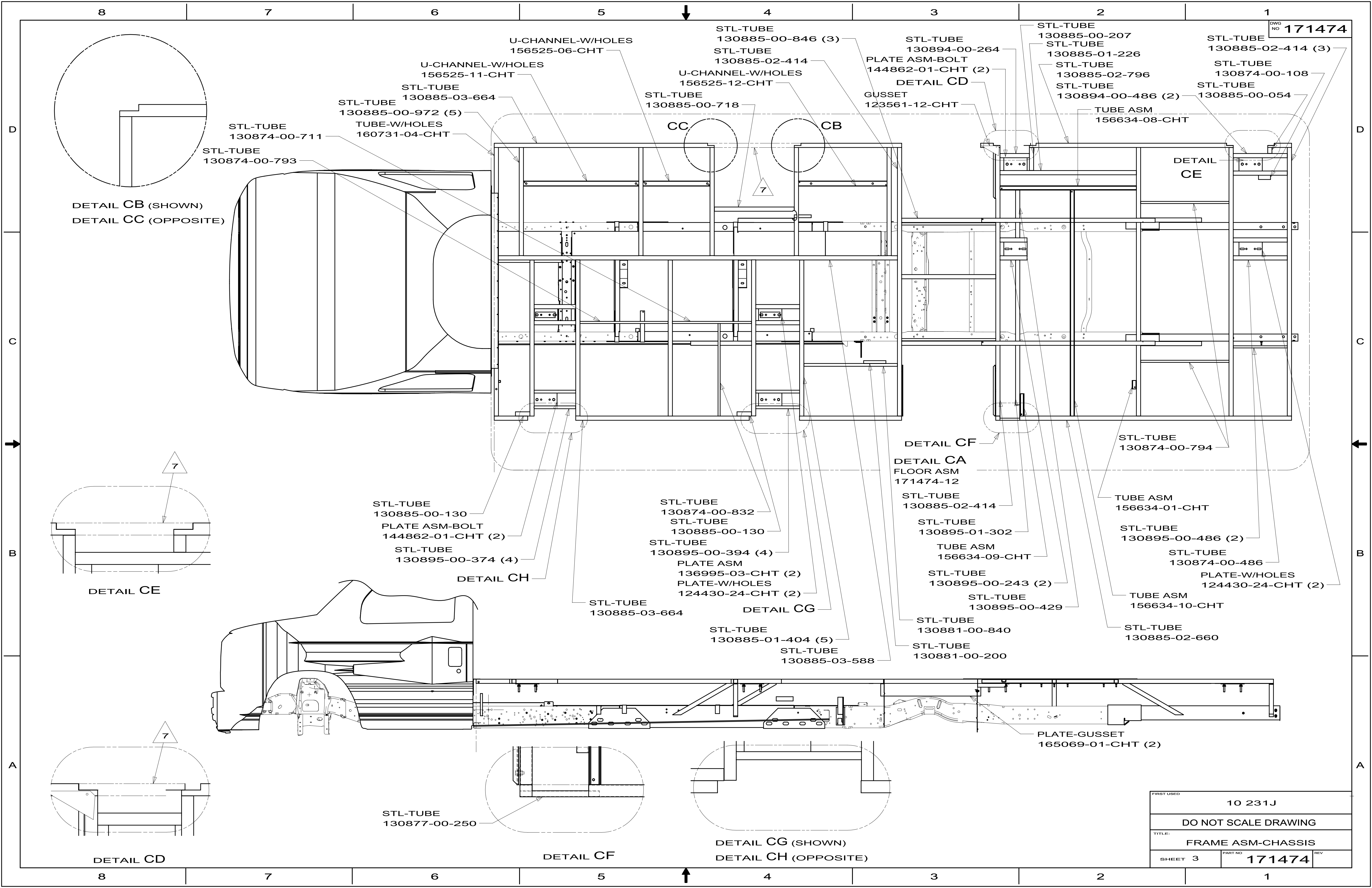


VIEW BB-BB



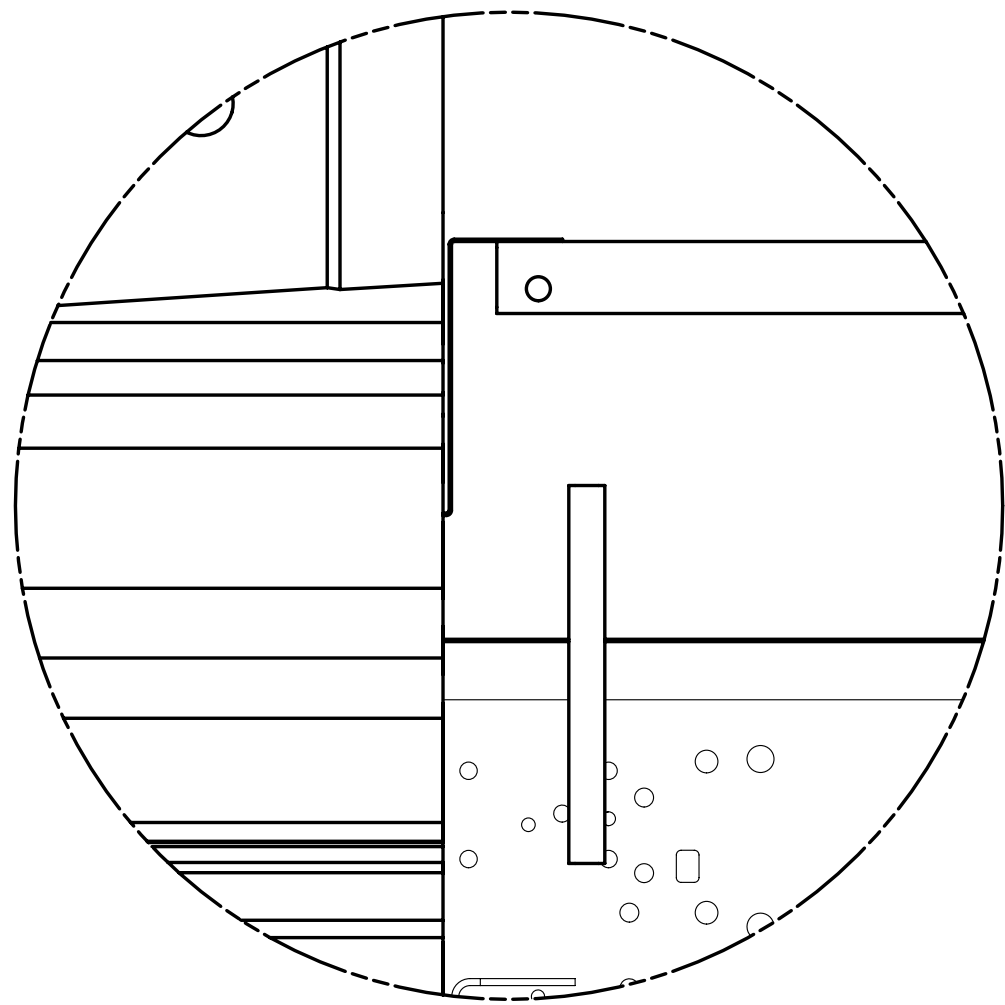
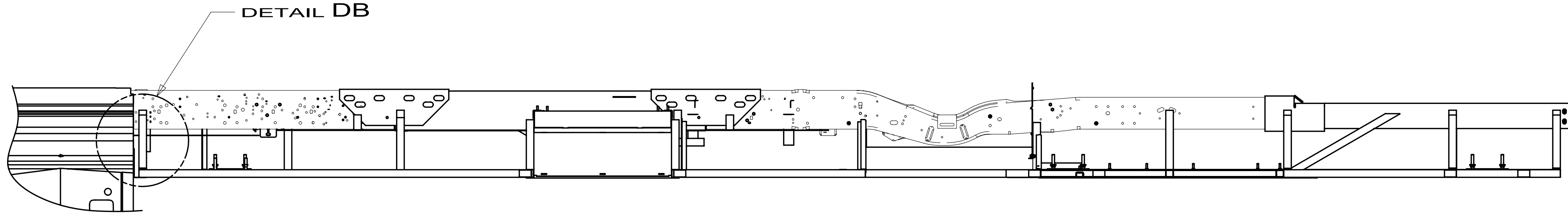
DETAIL BC

FIRST USED			10 231J
DO NOT SCALE DRAWING			
TITLE:			FRAME ASM-CHASSIS
SHEET 2	PART NO	171474	REV



DWG NO 171474

FIRST USED		10 231J	
DO NOT SCALE DRAWING			
TITLE: FRAME ASM-CHASSIS			
SHEET 3	PART NO	171474	REV



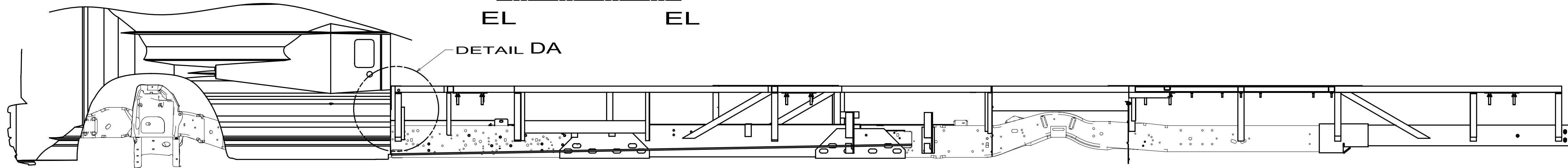
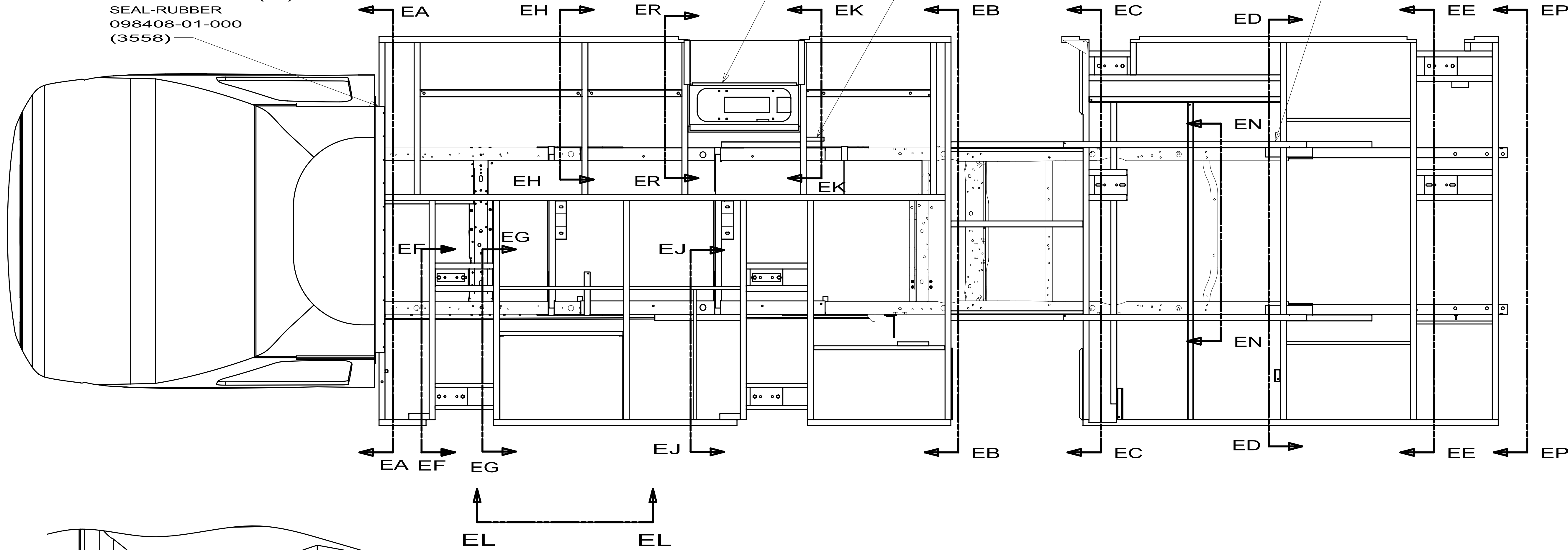
DETAIL DA SHOWN
DETAIL DB (OPPOSITE)

PLATE-FLOOR,JOINT
135915-04-CHT
SCREW
000G42-04-16B (11)
000G39-08-08B (12)
SEAL-RUBBER
098408-01-000
(3558)

BOX ASM-ENTRANCE
162352-01-CHT

STL-TUBE
(REF)

STRAP-TRUSS
165761-01-CHT (2)



FLOOR FRAME ASM
171474-13-CHT

FIRST USED			10 231J
DO NOT SCALE DRAWING			
TITLE: FRAME ASM-CHASSIS			
SHEET 4	PART NO	171474	REV

TUBE-MITERED
142628-01-CHT (2)

ANGLE-FORMED
137344-03-CHT (2)

SUPPORT-MUD FLAP
157464-02-CHT(2)
(WELD TO FRONT
SIDE OF TUBE)

TUBE-MITERED
142628-01-CHT (2)

TUBE-MITERED
142628-01-CHT (2)

TUBE-MITERED
142628-01-CHT (2)

GUARD ASM-ROCK
136391-02-CHT (2)
BOLT
000C26-05-12U (6)
NUT
000D39-05-00U (6)

STL-TUBE
130890-00-240 (2)

STL-TUBE
130890-00-240 (2)

STL-TUBE
130885-00-300 (2)

ANGLE-FORMED
137344-03-CHT

STL-TUBE
130885-00-300 (2)

STL-TUBE
130885-00-300 (2)

STL-TUBE
130885-00-300 (2)

STL-TUBE
130880-00-200

ANGLE-FORMED
137344-03-CHT (2)

GUARD-ROCK
136388-04-CHT

STL-TUBE
130885-00-300

TUBE-MITERED
142628-01-CHT

SECTION EB-EB

SECTION EC-EC

SECTION ED-ED

SECTION EE-EE

SECTION EG-EG

SECTION EP-EP

SECTION EA-EA

TUBE-MITERED
142628-06-CHT

STL-TUBE
130885-00-300

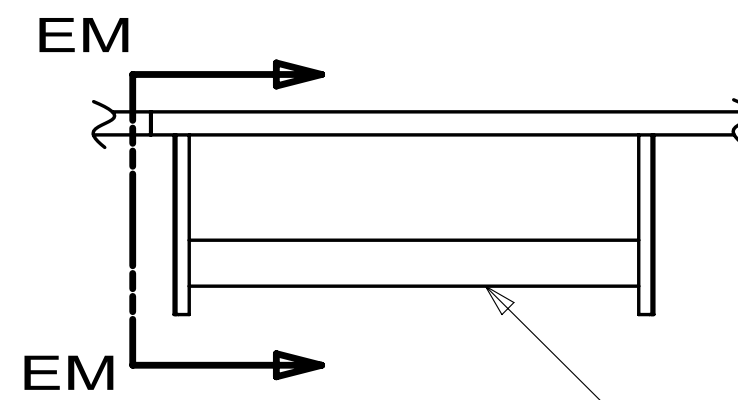
TUBE-MITERED
142628-01-CHT

STL-TUBE
130885-00-300

ANGLE-FORMED
137344-02-CHT

STL-TUBE
130875-00-152
(SHOWN SIDE ONLY)

STL-TUBE
130885-00-300
(SHOWN SIDE ONLY)



VIEW EL-EL

ANGLE-GENERATOR
122410-01-CHT

STL-TUBE
130885-00-300 (2)

PANEL-COMPARTMENT
137350-01-CHT
137350-02-CHT

SECTION EN-EN

SECTION EH-EH

SECTION EJ-EJ

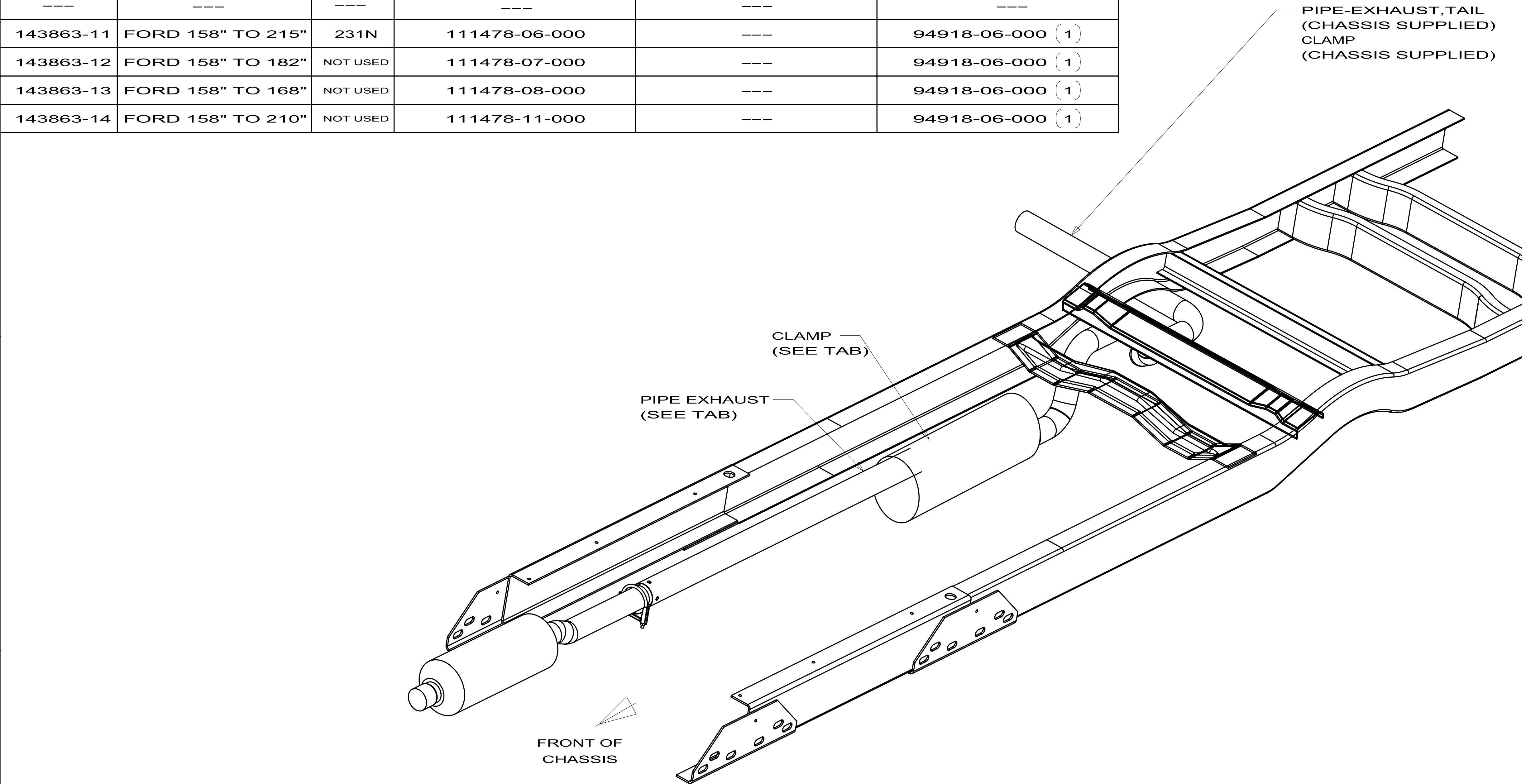
SECTION EK-EK(SHOWN)
SECTION ER-ER(OPPOSITE)

SECTION EM-EM

FIRST USED			10 231J
DO NOT SCALE DRAWING			
TITLE:			FRAME ASM-CHASSIS
SHEET 5	PART NO	171474	REV

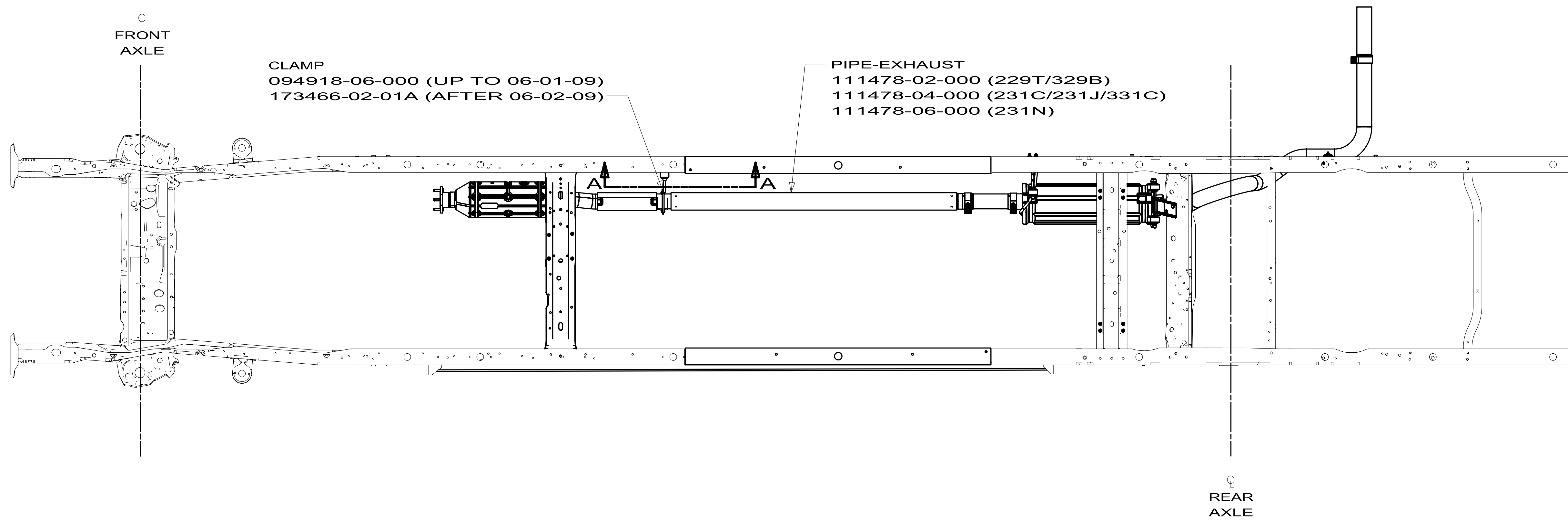
8		7		6		5		4	
DWG NO	CHASSIS	MODEL	PIPE EXHAUST-GAS		PIPE EXHAUST-DIESEL		CLAMP (QTY)		
143863-01	FORD 158" TO 188"	NOT USED	1 1 1478-01-000		---		94918-06-000 (1)		
143863-02	FORD 158" TO 190"	229T/329B	1 1 1478-02-000		---		94918-06-000 (1)		
143863-03	FORD 158" TO 205"	NOT USED	1 1 1478-03-000		---		94918-06-000 (1)		
143863-04	FORD 158" TO 220"	231C/231J 331C	1 1 1478-04-000		---		94918-06-000 (1)		
143863-05	FORD 158" TO 216"	NOT USED	1 1 1478-05-000		---		94918-06-000 (1)		
143863-06	FORD 158" TO 188"	NOT USED	---		98762-13-000		94918-02-000 (2)		
143863-07	FORD 158" TO 190"	NOT USED	---		98762-14-000		94918-02-000 (2)		
143863-08	FORD 158" TO 205"	NOT USED	---		98762-15-000		94918-02-000 (2)		
143863-09	FORD 158" TO 220"	NOT USED	---		98762-25-000		94918-02-000 (2)		
---	---	---	---		---		---		
143863-11	FORD 158" TO 215"	231N	1 1 1478-06-000		---		94918-06-000 (1)		
143863-12	FORD 158" TO 182"	NOT USED	1 1 1478-07-000		---		94918-06-000 (1)		
143863-13	FORD 158" TO 168"	NOT USED	1 1 1478-08-000		---		94918-06-000 (1)		
143863-14	FORD 158" TO 210"	NOT USED	1 1 1478-11-000		---		94918-06-000 (1)		

RELEASE	REV	DATE	DWG NO	143863
REV	ZONE	REVISION RECORD		DATE
				DFT-ORIG



NOTES:

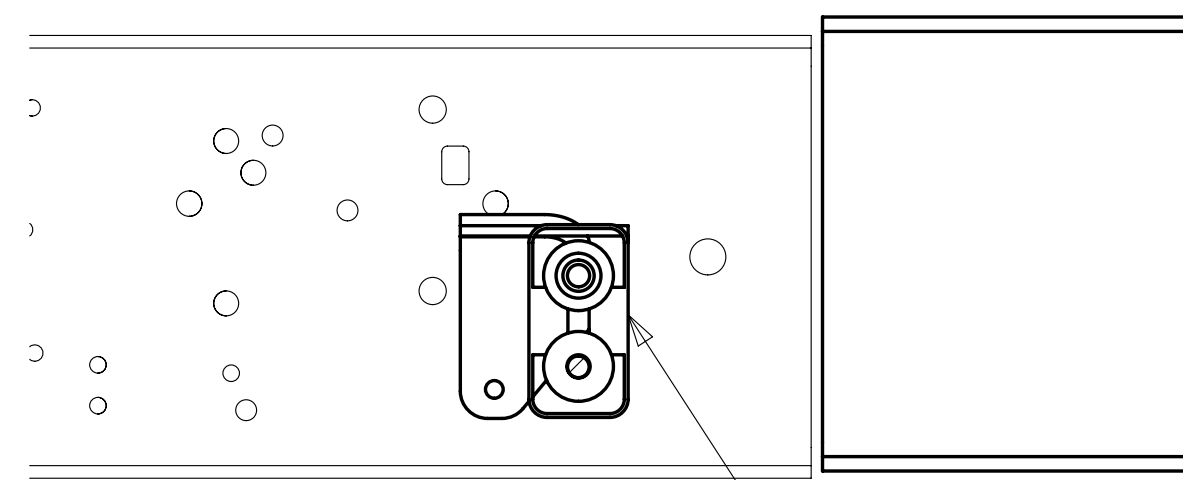
		COPYRIGHT 2009 WINNEBAGO INDUSTRIES, INC.	
DFT-ORIG	ORIG. DATE		
CHK-OR	ALL DIMENSIONS ARE IN MILLIMETERS		
P.E.			
M.E.	FIRST USED		
DSNR	92 FORD E350		
UNSPECIFIED TOLERANCES ARE:		MATERIAL:	
WHOLE DIM (X) : 3.0			
ONE-PLACE (X.X) : 1.5			
TWO-PLACE (X.XX) : 0.50			
ANGLE : 1°			
THIRD ANGLE PROJECTION			
DO NOT SCALE DRAWING			
TITLE: EXHAUST SYSTEM-INSTL			
SHEET 1 OF 1	PART NO	143863	REV
REF:		1	



171834-05
229T/329B

171834-08
231N

171834-09
231C/231J/331C



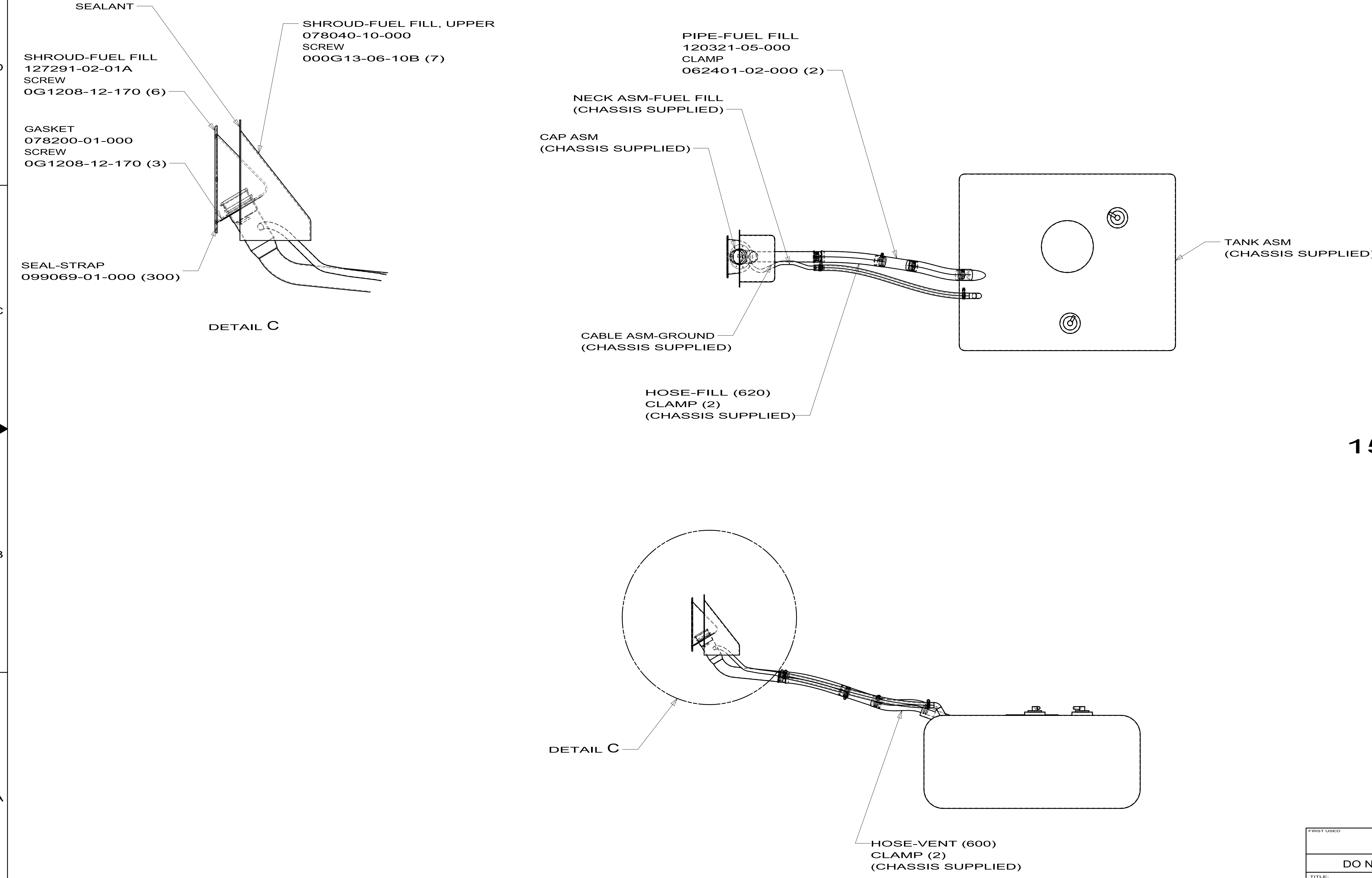
SECTION A-A

HANGER ASM-EXHAUST FORD
143811-01-000
HANGER ASM-TAILPIPE,FRONT
122392-21-02B
(USE ON 190" AND ABOVE WHEELBASES)
CLAMP-EXHAUST 3.00 HVY DUTY
094918-06-000

STRETCHED CHASSIS
EXHAUST BEHIND REAR AXLE

09 FD E450

FIRST USED			08 231J					
DO NOT SCALE DRAWING								
TITLE:								
FUEL FILL INSTL								
SHEET 3		PART NO		REV				
		156835						



229T
231C
231J
231N
154290-05

154290-05

NUT
000D39-08-00T(6)

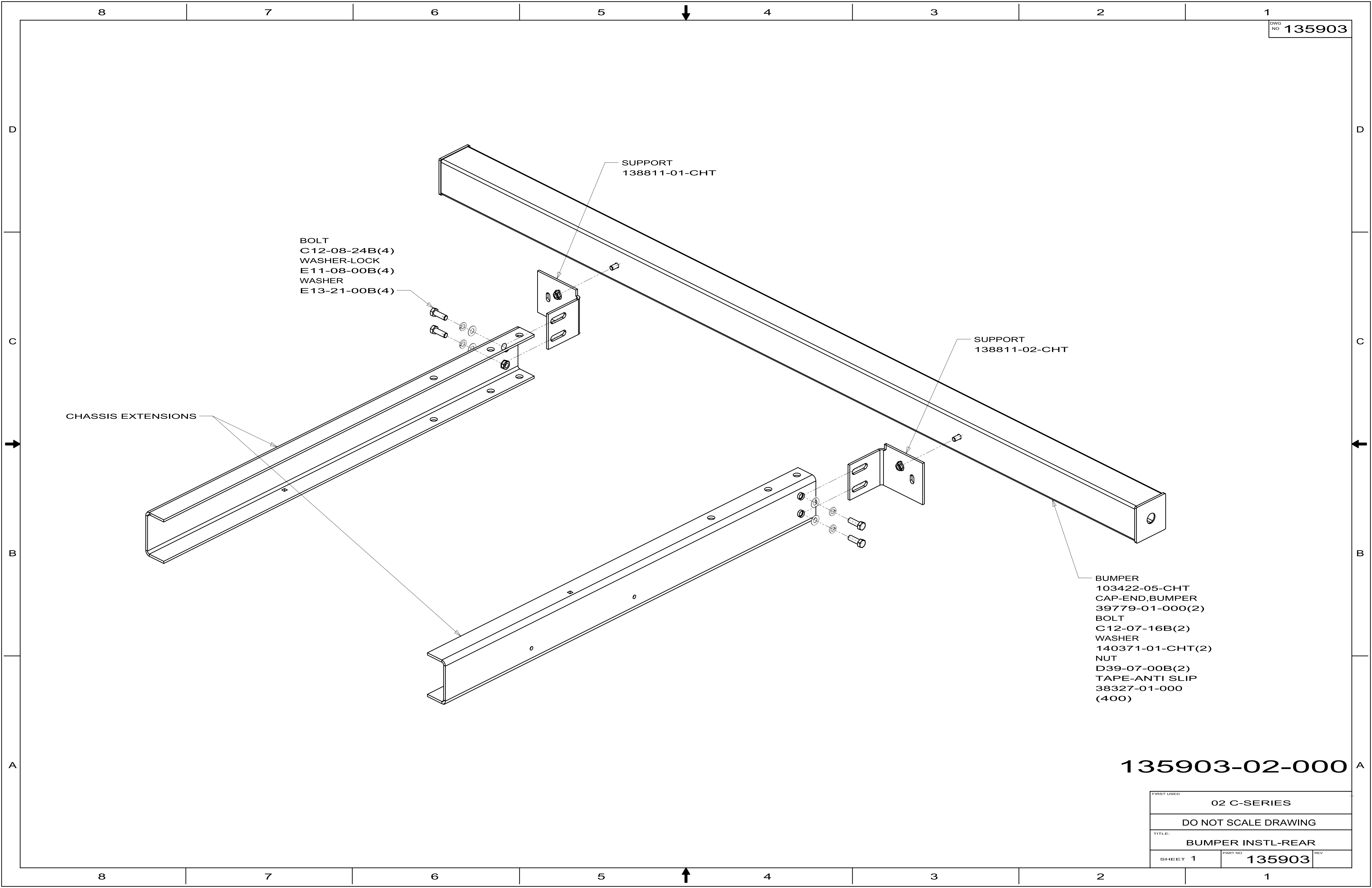
DRAWBAR ASM
170943-04-04B
LABEL-HITCH RATING,CLASS 3
172243-01-01A

WASHER
000E13-22-00T(12)

BOLT
000C26-08-24T(6)

SKID-PLATE ASM (2)
140441-05-02B

FIRST USED		
07 200-SERIES		
DO NOT SCALE DRAWING		
TITLE:		
HITCH INSTL		
SHEET 4	PART NO 154290	REV



BOLT
C12-08-24B(4)
WASHER-LOCK
E11-08-00B(4)
WASHER
E13-21-00B(4)

SUPPORT
138811-01-CHT

SUPPORT
138811-02-CHT

CHASSIS EXTENSIONS

BUMPER
103422-05-CHT
CAP-END,BUMPER
39779-01-000(2)
BOLT
C12-07-16B(2)
WASHER
140371-01-CHT(2)
NUT
D39-07-00B(2)
TAPE-ANTI SLIP
38327-01-000
(400)

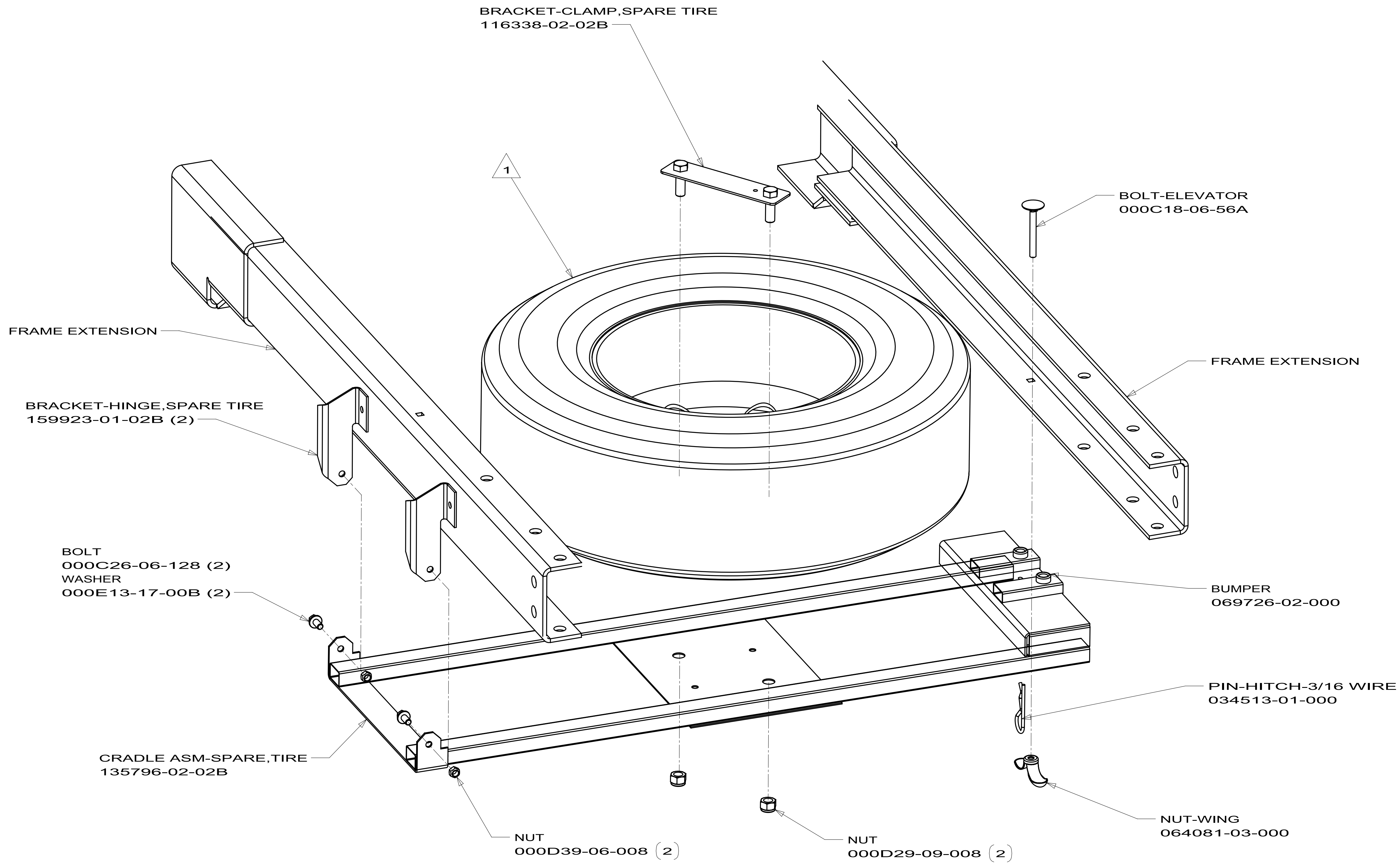
135903-02-000

FIRST USED		
02 C-SERIES		
DO NOT SCALE DRAWING		
TITLE:		
BUMPER INSTL-REAR		
SHEET 1	PART NO 135903	REV

Spare Wheel and Tire Matrix
Chassis Model Year 2008 - Current
March 17, 2009

Chassis		Wheel		Wheel Part Number	Wheel Rating	Weight (lbs.)	Tire	Maximum Tire Rating	Brand	Tire Part Number	Weight (lbs.)
Dodge	3500 Sprinter 500 Series	Magnetto (Mercedes Benz) A 001 401 70 02 16 X 5.5, 6 bolt	CHASSIS SUPPLIED		Wheel not marked	27	LT215/85R16E	2680/2470 @ 80	Continental		27.1
	E350/E450 Super Duty 200,300 & 700 Series	Arvin Meritor 16 X 6, 8 bolt @ 6.5 8C2Z-1015-G	CHASSIS SUPPLIED		Wheel not marked	---	LT225/75R16E	2680/2470 @ 80	Michelin LTX M/S	083425-14-000	71
Ford	F53 16, 18 (2011 chassis) GVWR E26P	Hayes/Lemmerz (Boriem) 19.5 X 6.0 10 bolt 8U94-1015-BA	CHASSIS SUPPLIED		3750 @ 110	51.5	225/70R19.5G	3970/3750 @ 110	Continental HSR		60.8
	F53 18 (2009 chassis), 20.5, & 22K GVWR E30W,E32K D31E,D33C, D35J W/19.5 TIRE ONLY	Accuride 29875 19.5 X 6.75, 10 bolt 5U94-1015-AA	CHASSIS SUPPLIED		4000 @ 115	59	245/70R19.5F	4080/3970 @ 85	Goodyear G670		66
Workhorse	W16/W18 E30W	Maxion W0007492 19.5 X 6, 10 bolt	Steel	156482-02-000 Black	3750 @ 110	58.5	225/70R19.5F	3640/3415 @ 95	Michelin XRV	091673-07-000	52
	W20-22 7,500 GAWR-F D33C, E32K	Maxion W0002404 19.5 X 6.75, 8 bolt	Steel	118814-05-000	5000 @ 115	61	245/70R19.5F	F53 16, 18 (2011 chassis) GVWR E26P	Goodyear G670RV	102340-08-000	70
	W21/W22 8,000/8,500 GAWR-F D31E	Maxion W0002404 19.5 X 6.75, 8 bolt	Steel	118814-05-000	5000 @ 115	61	245/70R19.5G	4540/4410 @ 110	Goodyear G670RV	102340-09-000	70

231J
156837-04-XXX



1. SEE SHEET 1 MATRIX.

NOTES:

TAB-04,PG-05

FIRST USED		07 226A	
DO NOT SCALE DRAWING			
TITLE:			
SPARE TIRE COMPL			
SHEET 4	PART NO	156837	REV

2010 AND UP WHEEL TRIM MATRIX

	TIRE AND WHEELS		WHEELCOVERS		WHEEL LINERS				CHASSIS-SUPPLIED PARTS IF ORDERED W/ALUMINUM WHEEL				
	TIRE/WHEEL Ø & WIDTH	WHEEL P/N & MFGR	WHEEL COVERS	VALVE EXTENSION	WHEEL LINERS	VALVE EXTENSION	STABILIZER	TORQ. WHEEL LINER	ALUMINUM WHEEL	HUB COVER	VALVE EXTENSION	STABILIZER	NUT COVER
CHEVY C BODY (14050) NOT USED	225/75R 16"X6.5"	ACCURIDE 29361 AFTERMARKET ACCURIDE 29588	109443-05	REAR:(4)77030-01 REMOVE COVER FOR ACCESS FRONT: (2)77030-01	110435-23-000	REAR INNER (2)95012-09 REAR OUTER (2)77030-10 FRONT (2)77030-10	(2)95012-07	PUSH ON (NA)	156797 -01 (2) FRONT -02 (2) REAR	156797 -03 (2) FRONT -04 (2) REAR	REAR INNER (2)77030-01	-	REPLACE NUTS W/ (32) 156797-06 NUT COVERS (32) 149749-05
DODGE SPRINTER 2500 BVAN 100 SERIES	245/75R 16"X6.5" (1KD)	ALUM DODGE 68004980AA STL(SPARE) DODGE 1J97SZ0AA	N/A	N/A	N/A	N/A	N/A	N/A	DODGE 68004980AA	DODGE 51045708AA (CENTER CAP)	N/A	N/A	BOLT/DODGE 68013444AA
SPRINTER 6 BOLT 16" (DUAL) 500/H SERIES	215/85R 16"X5.5" (1KB) (1KM)	MAGNETTO MERCEDES A 001 401 71 02	N/A	N/A	154970-02	CHASSIS SUPPLIED REAR	-	PUSH ON (NA)	168919 -01 SET FRONT -02 SET REAR	168919 -03 SET FRONT -04 SET REAR	---	---	PART OF HUB COVER SET(S)
FORD A BODY F53 10 BOLT 19.5" E/D SERIES	245/70R 19.5"X6.75" (16K) (16H) (2009)	ACCURIDE 29875	N/A	N/A	154672-01	REAR INNER (2)95012-09 REAR OUTER (2)77030-10 FRONT CAP ONLY	(2)95012-07	41-47 NM 30-35 LB/FT TORQUE	N/A	-	-	-	
FORD A BODY F53 D/J SERIES	235/80R 22.5"X7.5" (16L) (16Z)	ALCOA DURA-BRITE 873400	N/A	-	-	-	-	-	-	KIT WITH ATTACHMENT 150723-01	REAR INNER (2)77030-10	-	-
FREIGHT LINER (REAR ENGINE) P/R SERIES (1AF) (1LE) (1LT) (1LU)	255/80R 22.5"X8.25" 295/80R 22.5"X8.25" (1LT) (1LU)	ACCURIDE 50487	N/A	N/A	-	REAR INNER (2)77030-11 REAR OUTER (2)77030-10 FRONT (2)77030-01	(2)77030-11	41-47 NM 30-35 LB/FT TORQUE	(2)133429-03 (2)133429-04 ACCURIDE 29697 IFS ONLY FRONT ACCURIDE 29560	FRONT FCCC (2)A22-53422-000 129058-15(2) 129058-16/19 129058-17/20 OR 129058-21/22	REAR 1 INSIDE 129058-06 (2)	129058-18 (2)	(40)129058-10
FORD C BODY E350/450 200/300/700 SERIES	225/75R 16"X6" (16C) (16Y)	(ARVIN MERRITOR) FORD 8C24-1015-H	109443 -05-000	REAR: FORD 1/2" FRONT: FORD 1/2" (LIKE 077030-10) REMOVE COVER FOR REAR ACCESS	110435-23-000	REAR INNER (2)95012-05 REAR OUTER AND FRONT CHASSIS SUPPLIED 1/2"(77030-10)	(2)95012-07	PUSH ON (NA)	(2)149749-01 (2)149749-02 (UP TO 06-22-09) (2)149749-07 (2)149749-08 (AFTER 06-23-09)	156797 -03(2)FRONT -04(2)REAR	REAR INNER (2)77030-01	---	REPLACE NUTS W/ (32) 149749-06 NUT COVERS (32) 149749-05
FORD A BODY F53 16K 2009 E26P 18K (2011) E/D SERIES	225/70R 19.5"X6.0" (16N) (16H) (2011)	(HAYES LAMMERZ) FORD 8U94-1015-BA	N/A	N/A	154672-02	REAR INNER (2)95012-09 REAR OUTER (2)77030-10 FRONT CAP ONLY	(2)95012-07	41-47NM 30-35 LB/FT	N/A	---	---	---	---
FRONT ENGINE FREIGHT LINER J SERIES	225/80R 22.5"X8.25" (1L1) (1LL)	ACCURIDE 50487	N/A	N/A	145580-05	REAR INNER (2)77030-11 REAR OUTER (2)77030-10 FRONT (2) 77030-01	(2)77030-11	41-47NM 30-35 LB/FT TORQUE	(2)133429-03 (2)133429-04 ACCURIDE 29697	FRONT FCCC(2) A22-53422-000 129058-15(2) 129058-17/20	REAR INSIDE 129058-06 (2)	129058-18 (2)	(40)129058-10

5 WINNEBAGO INSTALLED.

4 / FREIGHTLINER LOGO NOT FOR WORKHORSE APPLICATION.

3 NO WINNEBAGO 8 BOLT HUB COVER WITHOUT PORT.

2 / BRACKET-17/20 FOR 145 AXLE, BRACKET-21/22 FOR 144 AXLE.

1 CHASSIS SUPPLIED

SOME PARTS UNIQUE TO CHASSIS MFGR., NO WINNEBAGO P/N

CONTINUED ON NEXT PAGE

FIRST USED			
07 MOTORHOMES			
DO NOT SCALE DRAWING			
TITLE:			
WHEEL INSTL			
SHEET 1	PART NO	159483	REV

87654321

159483

DWG NO

1

FOR WINNEBAGO MODEL YEAR 2007, WINNEBAGO WILL SUPPLY LUG WRENCHES WHICH ARE SUPPLIED TO WINNEBAGO WITH THE CHASSIS. (CURRENTLY, FORD E350/E450 CUTAWAY, DODGE SPRINTER, AND FORD F53 19.5" RAIL) IN ADDITION, C-BODY CUTAWAY CHASSIS WITH ALUMINUM WHEEL OPTION, FORD CHASSIS SUPPLIED LUG WRENCH WHICH NO LONGER FITS ALUMINUM WHEEL FASTENERS WILL BE STORED UNDER PART NUMBER 112358-02-000. WINNEBAGO WILL PROVIDE LUG WRENCH AND LEVERAGE BAR TO FIT ALUMINUM WHEEL HARDWARE. WINNEBAGO WILL PROVIDE 112358-02-000 WITH STANDARD CHEVY STEEL WHEEL CHASSIS.

2007 AND UP

OTHER APPLICATIONS LISTED FOR WRENCH FIT REFERENCE

LUG WRENCH APPLICATION MATRIX

	CHASSIS	LUG WRENCH	LEVERAGE BAR	TORQUE FT/LBS
* NOT USED	CHEVY CUTAWAY G3500 8 BOLT GMT610 8 BOLT	112358-02	---	110-140
* NOT USED	CHEVY CUTAWAY ALUMINUM WHEELS G3500/GMT610 8 BOLT	80208-06	80208-02	140
* 100/500/H SERIES (1KB) (1KD) (1KM)	DODGE SPRINTER 16" 6-BOLT	CHASSIS SUPPLIED (FLOOR COMPT. @ PASS. FEET)	CHASSIS SUPPLIED	140 (130-150)
* 200/300/700 SERIES (16C) (16Y)	FORD CUTAWAY E350SD/E450SD 8 BOLT	CHASSIS SUPPLIED 112358-02	---	140
* 200/300/700 SERIES (16C) (16Y)	FORD CUTAWAY ALUMINUM WHEELS E350SD/E450SD 8 BOLT	80208-06	80208-02	140
* E/D SERIES (16H) (16K)	FORD RAIL F53 10 BOLT 19.5"	CHASSIS SUPPLIED 112358-01	---	140
D/J SERIES (16L) (16Z)	FORD RAIL F53 8 BOLT 22.5" ALUMINUM	80208-04	80208-05	450-500
	FREIGHTLINER 10 BOLT NOT USED	80208-04	80208-05	450-500
E26P/E30W (1PJ) (1PL)	WORKHORSE W16/18 10 BOLT 19.5"	80208-06	80208-02	150 (145-155)
E/D/J SERIES (1PE) (1PR) (1PS) (1PU) (1PV)	WORKHORSE W20-25 SERIES AND UFO 8 BOLT	80208-04	80208-05	450-500

87654321

07 MOTORHOMES

DO NOT SCALE DRAWING

TITLE:
WHEEL INSTL

SHEET 3PART NO 159483REV

12/17/2010

KEY			109443-05-000
	PART NUMBER	U/M DESCRIPTION	VENDOR NO.
	098532-01-700	EA COVER-FAKE LUG NUT (PLASTIC)	SHAU-LNC
	109443-05-700	EA WHEEL COVER - 16"SS EA=1	SHFM16-CVR

KEY	PART NUMBER	U/M	DESCRIPTION	110435-23-000
				VENDOR NO.
	110435-01-711	EA	DECAL-CENTER CAP- 2" - QTY 2	DIAMOND/2 PER BAG
	110435-23-700	EA	COVER/WHEEL - FRONT - 1 ONLY	FL60-59-FWC
	110435-23-701	EA	COVER/WHEEL - REAR - 1 ONLY	RWCFL60-59