MODEL SYMBOL CHART

			
Conventional Cab Chassis 2 wheel drive	Crew Cab Chassis 2 wheel drive	Motorhome Cutaway Cab Chassis 2 wheel drive	Commercial Cutaway Cab Chassis 2 wheel drive
C4C042/044 C5C042/044	C4E042/044 C5E042/044	C4U042 C5U042	C4V042 C5V042

MODEL DESIGNATOR KEY:

Position	1	2	3	4	5	6,7
	Division	Model Line	GVW Range	Cab Style	Constant	Chassis Type
	not shown				0	

Division:
C = Chevrolet
T = GMC

Chassis Type:
42 = 2 wheel drive
44 = 4 wheel drive
64 = Tandem
66 = 6 wheel drive

General Information:

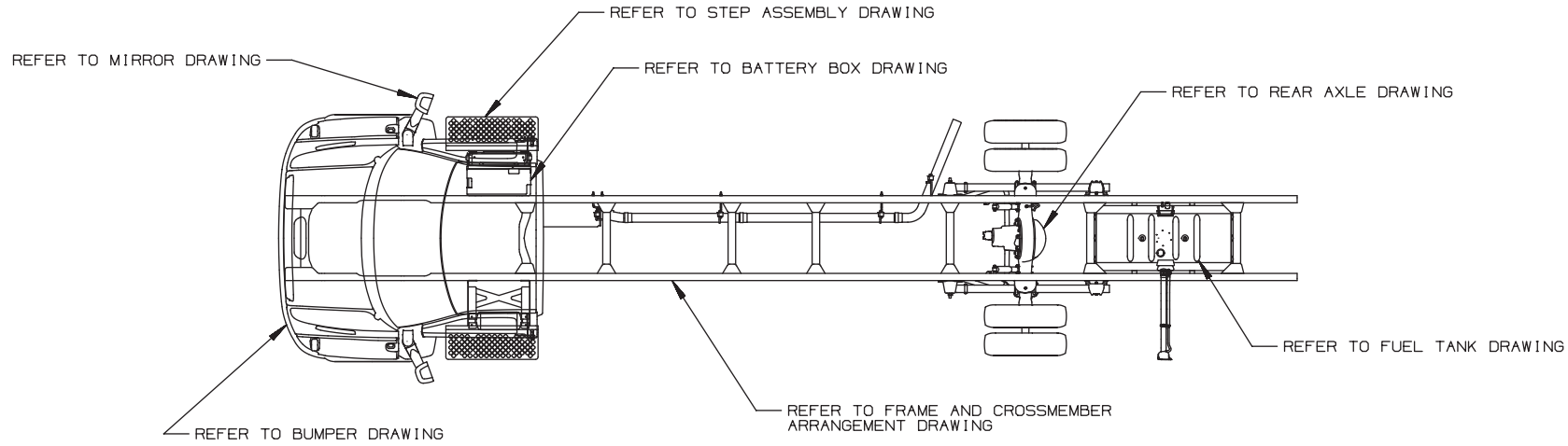
RPO Code	VDS Books
X88 = Chevrolet	10 = Family 2
Z88 = GMC	

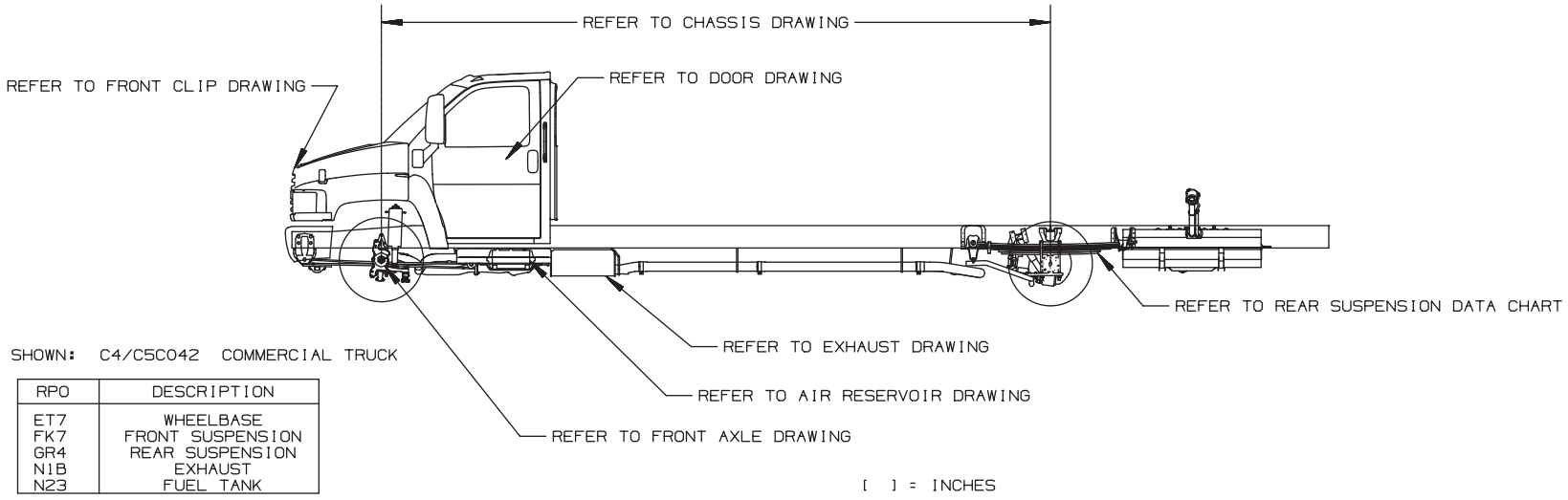
Model Line:
C = C Series
T = T Series

GVW Range:
4 = 16000 - 18000
5 = 18001 - 26000

Cab Style:
C = Conventional
E = Crew
U = Motorhome Cutaway
V = Commercial Cutaway

General Arrangement – Regular / Cutaway Cab (042)





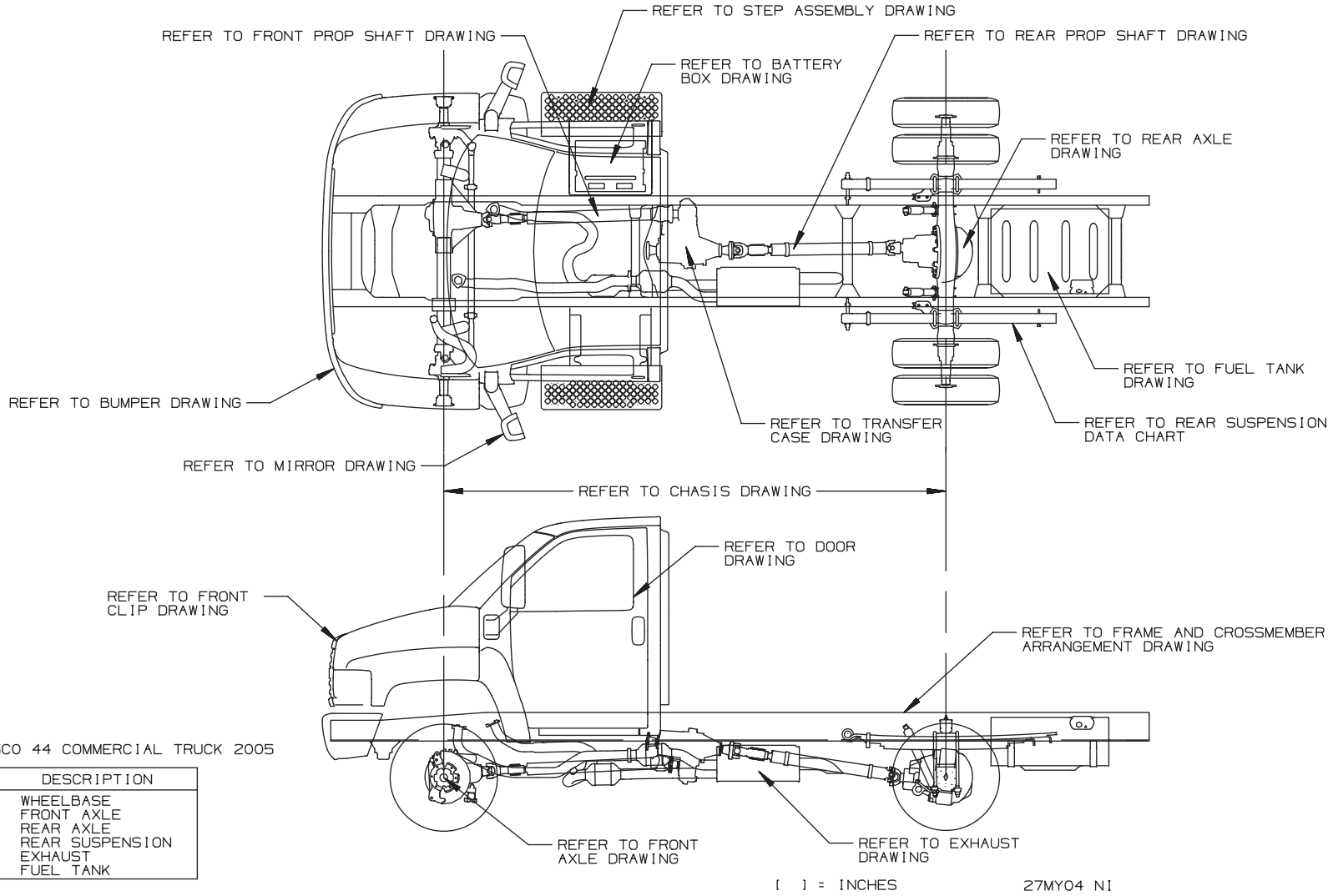
SHOWN: C4/C5C042 COMMERCIAL TRUCK

RPO	DESCRIPTION
ET7	WHEELBASE
FK7	FRONT SUSPENSION
GR4	REAR SUSPENSION
N1B	EXHAUST
N23	FUEL TANK

[ ] = INCHES

TD005951

General Arrangement – Regular / Crew Cab (044)

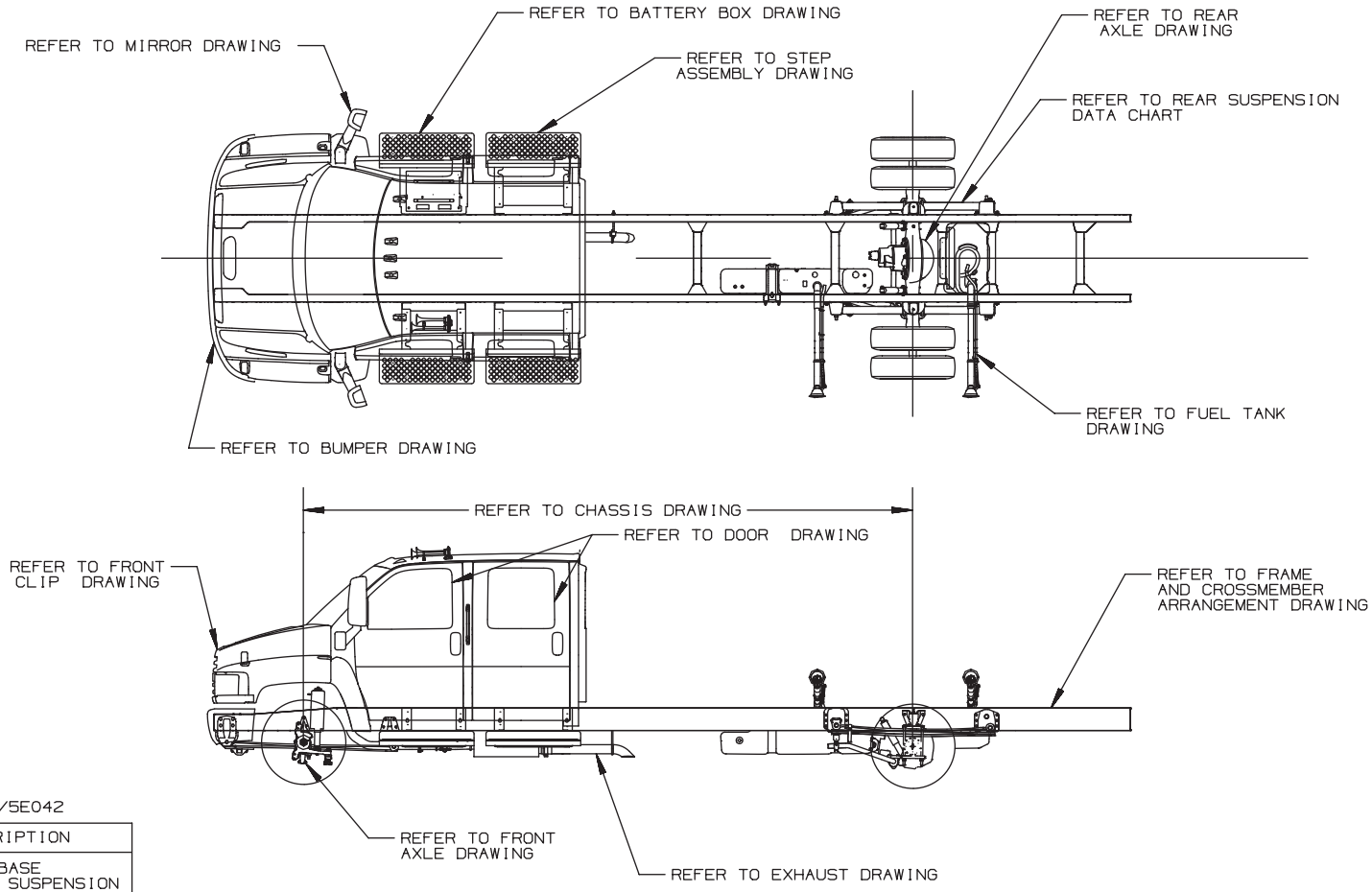


SHOWN: 4C05C0 44 COMMERCIAL TRUCK 2005

RPO	DESCRIPTION
EG9	WHEELBASE
FRX	FRONT AXLE
GL8	REAR AXLE
GR4	REAR SUSPENSION
NB5	EXHAUST
NH4	FUEL TANK

TD006351a

General Arrangement – Crew Cab (042)



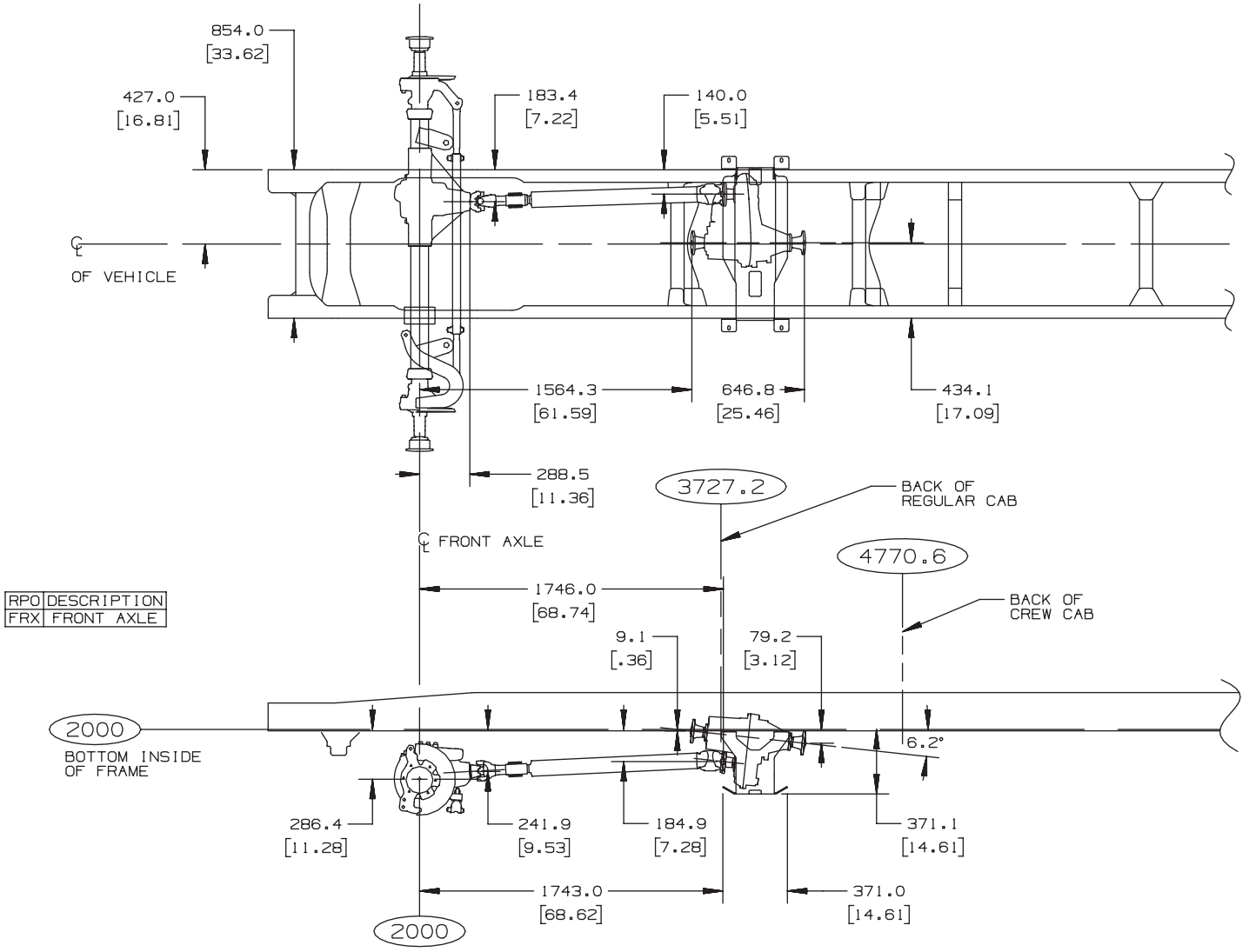
SHOWN: C4/5E042

RPO	DESCRIPTION
FRP	WHEELBASE
FK6	FRONT SUSPENSION
GXA	REAR SUSPENSION
NB5	EXHAUST
NG6	FUEL TANK

[ ] = INCHES

TD005952

Front Drive Axle and Transfer Case Chassis Locations



RPO	DESCRIPTION
FRX	FRONT AXLE

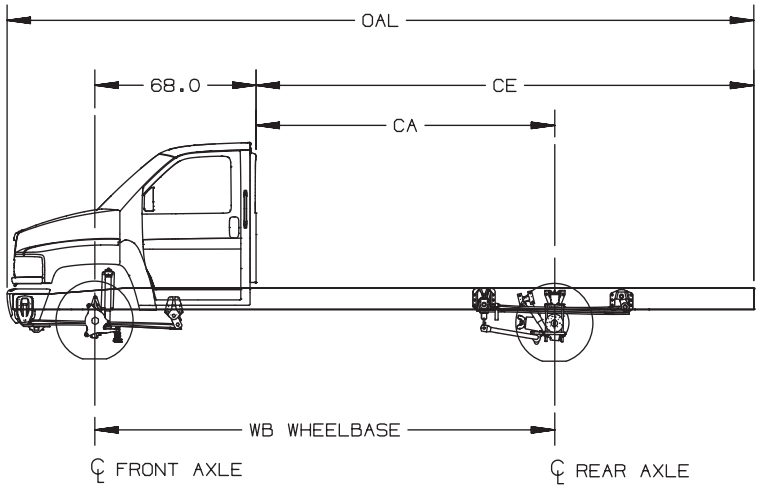
SHOWN: 2005 GMT560 C4C/E C5C/E 0 44 ALL

13MY04 NI

[ ]= INCHES

ANA26576a

Body Payload Weight Distribution – Regular Cab



NOTES:

* PERCENTAGES ALLOWED FOR 3" CB (CAB TO BODY CLEARANCE) AND ARE BASED ON EVEN DISTRIBUTION OF WEIGHT (FORMULA: (CA-CB-1/2BL)/WB CGA OR % FRONT AXLE)

** EFFECTIVE LENGTH IN WHICH FRONT AXLE LOAD IS 6% OR LESS IS NORMALLY POOR DISTRIBUTION

*** N/A ON C4C042

(X) N/A ON C4C/C5C044

C4C/C5C042 BODY-PAYLOAD WEIGHT DISTRIBUTION (% FRONT / % REAR) *

	DIMENSIONS (IN)				** BODY LENGTHS (FT)													
	WHEELBASE	CA	CE	OAL	8	9	10	12	14	15	16	17	18	19	20	22	24	26
(X)	EC9/128	[60.0]	[100.5]	[205.5]	7/93													
(X)	FQT/140	[72.0]	[145.6]	[250.6]	15/85	11/89	6/94											
	EG9/152	[84.0]	[145.6]	[250.6]		18/82	14/86	6/94										
	FNW/176	[108.0]	[177.7]	[282.7]				19/81	12/88	9/91	5/95							
	EK8/188	[120.0]	[204.1]	[309.1]				24/76	18/82	14/86	11/89	8/92	5/95					
***	EK4/194	[126.0]	[210.0]	[315.0]					20/80	17/83	14/86	11/89	8/92	5/95				
(X) ***	EK5/206	[138.0]	[222.0]	[327.0]					25/75	22/78	19/81	16/84	13/87	10/90	7/93			
***	EL5/212	(144.0)	(228.1)	(333.1)					27/73	24/76	21/79	18/82	16/84	13/87	10/90			
(X)	EK6/224	[156.0]	[240.0]	[345.0]						28/72	25/75	23/77	20/80	17/83	15/85	9/91		
(X)	EE4/254	[186.0]	[278.7]	[383.7]									30/70	27/73	25/75	20/80	15/85	13/87

FOR: GMT 560, C4C0/C5C042
C4C0/C5C044

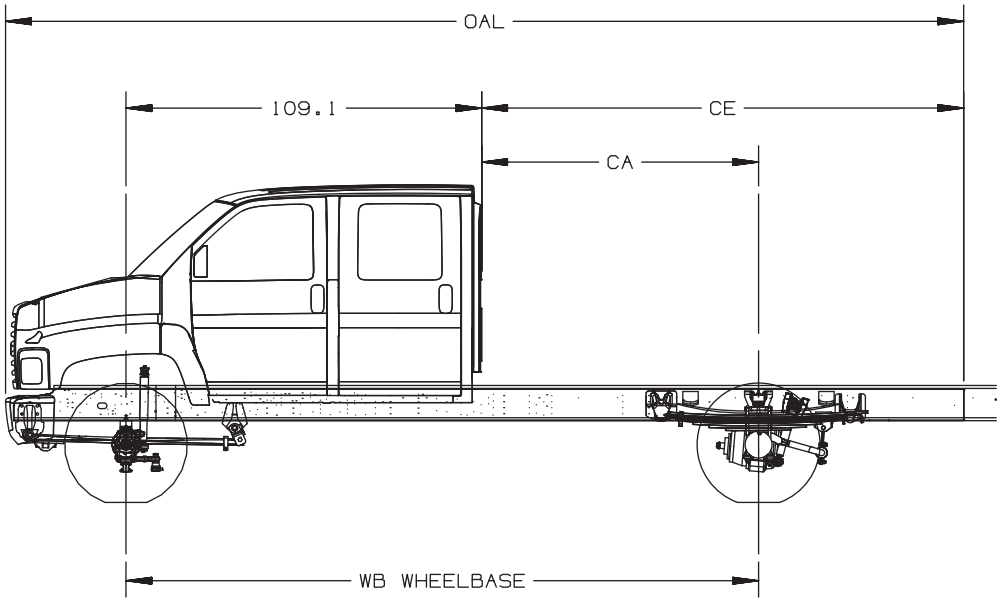
[ ]=INCHES

FOR MILLIMETER CONVERSION MULTIPLY X 25.4

06/15/04 REV

TD005843a

Body Payload Weight Distribution – Crew Cab



NOTES:

* PERCENTAGES ALLOWED FOR 3" CB (CAB TO BODY CLEARANCE) AND ARE BASED ON EVEN DISTRIBUTION OF WEIGHT (FORMULA: (CA-CB-1/2BL)/WB CGA OR % FRONT AXLE)

** EFFECTIVE LENGTH IN WHICH FRONT AXLE LOAD IS 6% OR LESS IS NORMALLY POOR DISTRIBUTION

*** N/A ON C4E042

(X) N/A ON C4E/C5E044

C6E/C7E/C8E042 BODY-PAYLOAD WEIGHT DISTRIBUTION (% FRONT / % REAR) *

	DIMENSIONS (IN)				** BODY LENGHTS (FT)									
	WHEELBASE	CA	CE	OAL	7	8	9	10	12	14	15	16	17	18
	FPP/169	59.9	121.6	267.6	9/91	5/95								
	EK4/194	84.9	146.6	292.6			14/86	11/89	5/95					
	ED7/217	107.9	191.9	337.9					15/85	10/90	7/93			
	EQ4/229	119.9	203.9	350.0					20/80	14/86	12/88	9/91	7/93	
(x) ***	FRP/235	125.9	210.0	356.0						17/83	14/86	11/89	9/91	6/94

FOR: GMT 560, C4E0/C5E042
C4E0/C5E044

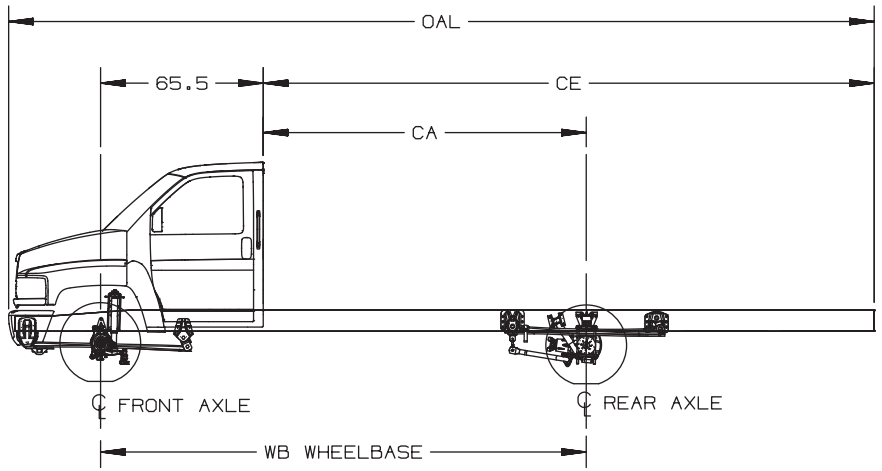
[ ]= INCHES

FOR MILLIMETER CONVERSION MULTIPLY X 25.4

06/15/04 REV

TD005846a

Body Payload Weight Distribution – RV Cutaway



NOTES:

* PERCENTAGES ARE BASED ON EVEN DISTRIBUTION OF WEIGHT (FORMULA: (CA-1/2BL)/WB CGA OR % FRONT AXLE)

** EFFECTIVE LENGTH IN WHICH FRONT AXLE LOAD IS 6% OR LESS IS NORMALLY POOR DISTRIBUTION

*** N/A ON C4U042

C4U0/C5U042 BODY-PAYLOAD WEIGHT DISTRIBUTION (% FRONT / % REAR) *

EXPANDED GVW MOTORHOMES (22,24,26K) SHOULD NOT BE CONFIGURED SUCH THAT FRAME IS SUBJECTED TO REAR BIAS LOADING. REAR BIAS LOADING IS DEFINED AS CENTER OF GRAVITY OF LOAD LOCATED BEHIND REAR AXLE.

	DIMENSIONS (IN)				** BODY LENGTHS (FT)										
	WHEELBASE	CA	CE	OAL	10	12	14	15	16	17	18	19	20	22	24
	EC1/165.5	[100.0]	[183.9]	[286.4]	24/76	17/83	9/91								
	EC2/183.5	[118.0]	[218.4]	[320.9]	31/69	25/75	18/82	15/85	11/89	8/92					
***	EC3/195.5	[130.0]	[245.9]	[348.4]		29/71	23/77	20/80	17/83	14/86	11/89	8/92			
***	EC4/213.5	[148.0]	[264.1]	[366.5]		35/65	29/71	27/73	24/76	21/79	18/82	15/85	13/87	7/93	
	EP5/221.5	[156.0]	[284.0]	[386.4]			32/68	29/71	27/73	24/76	21/79	18/82	16/84	10/90	
***	EQ8/233	(167.5)	(300.0)	(402.4)			35/65	33/67	30/70	28/72	25/75	23/77	20/80	15/85	10/90
***	FXA/239	(173.5)	(286.7)	(389.2)				34/66	32/68	29/71	27/73	24/76	22/78	17/83	12/88

FOR: GMT 560, C4U0/C5U042

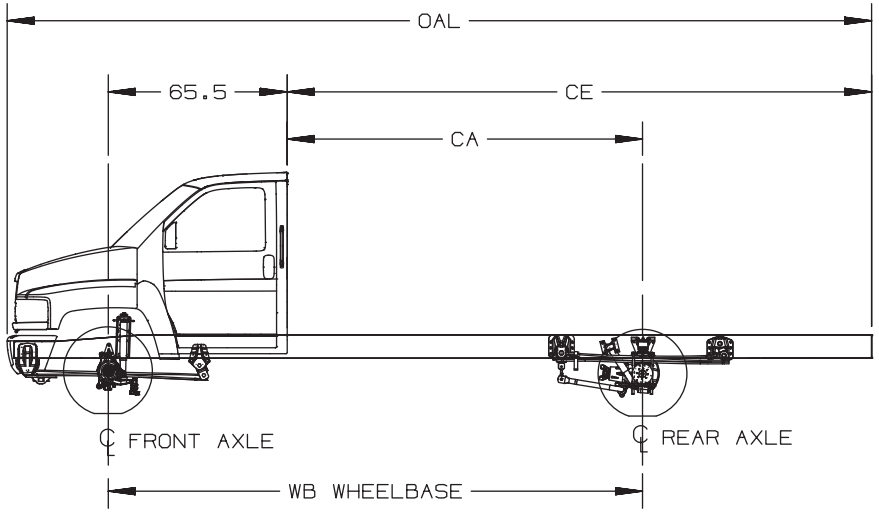
[ ]= INCHES

FOR MILLIMETER CONVERSION MULTIPLY X 25.4

6/25/04 REV

TD005844a

Body Payload Weight Distribution – Commercial Cutaway



NOTES:

* PERCENTAGES ARE BASED ON EVEN DISTRIBUTION OF WEIGHT (FORMULA: (CA-1/2BL)/WB CGA OR % FRONT AXLE)

** EFFECTIVE LENGTH IN WHICH FRONT AXLE LOAD IS 6% OR LESS IS NORMALLY POOR DISTRIBUTION

*** N/A ON C4V042

C4V0/C5V042 BODY-PAYLOAD WEIGHT DISTRIBUTION (% FRONT / % REAR) *

	DIMENSIONS (IN)				** BODY LENGTHS (FT)											
	WHEELBASE	CA	CE	OAL	10	12	14	15	16	17	18	19	20	22	24	26
	EC1/165.5	[100.0]	[170.7]	[273.2]	24/76	17/83	9/91									
	EC2/183.5	[118.0]	[201.8]	[304.3]	31/69	25/75	18/82	15/85	11/89							
	EC3/195.5	[130.0]	[213.9]	[316.3]	35/65	29/71	23/77	20/80	17/83	14/86	11/89	8/92				
	EP5/221.5	[156.0]	[240.0]	[342.5]		37/63	32/68	29/71	27/73	24/76	21/79	19/81	16/84	10/90		
***	EQ8/233	[167.5]	[251.5]	[354.0]			35/65	33/67	30/70	28/72	25/75	23/77	20/80	15/85	10/90	

[ ]= INCHES

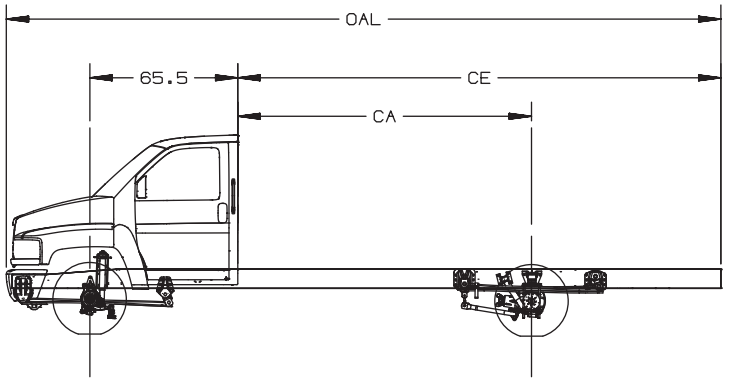
FOR: GMT 560, C4V0/C5V042

FOR MILLIMETER CONVERSION MULTIPLY X 25.4

6/25/04 REV

TD005844b

Body Payload Weight Distribution – Commercial Cutaway (ANC-Shuttle Bus, B3D-School Bus)



NOTES:

PERCENTAGES ARE BASED ON EVEN DISTRIBUTION OF WEIGHT (FORMULA: (CA-1/2BL)/WB CGA OR % FRONT AXLE)

EFFECTIVE LENGTH IN WHICH FRONT AXLE LOAD IS 6% OR LESS IS NORMALLY POOR DISTRIBUTION

**C4V042/C5V042

*C5V042

C4V0/C5V042 BODY-PAYLOAD WEIGHT DISTRIBUTION (% FRONT / % REAR)

	DIMENSIONS (IN)				** BODY LENGTHS (FT)												RPO	
	WHEELBASE	CA	CE	OAL	10	12	14	15	16	17	18	19	20	22	24	26	ANC/B3D	
**	EC1 165.5	100.0	188.7	291.1	24/76	17/83	9/91										ANC/B3D	
**	EC2 183.5	118.0	206.6	309.1	31/69	25/75	18/82	15/85	11/89								ANC/B3D	
*	EC3 195.5	130.0	218.6	321.1	35/65	29/71	23/77	20/80	17/83	14/86	11/89						ANC/B3D	
*	EC4 213.5	148.0	236.7	339.2		35/65	29/71	27/73	24/76	21/79	18/82	15/85	13/87	7/93			ANC	40 GALLON FUEL TANK
*	EC4 213.5	148.0	262.5	365.0		35/65	29/71	27/73	24/76	21/79	18/82	15/85	13/87	7/93			ANC	60 GALLON FUEL TANK
*	EQE 220	154.5	261.0	363.4		37/63	32/68	29/71	26/74	23/77	21/79	18/82	15/85	10/90			ANC/B3D	
*	EQ8 233	167.5	273.9	376.4			35/65	33/67	30/70	28/72	25/75	23/77	20/80	15/85	10/90		ANC/B3D	
*	EQ1 246	180.5	286.9	389.4				36/64	34/66	31/69	29/71	27/73	24/76	19/81	14/86	9/91	ANC/B3D	
*	ET7 259	193.5	299.9	402.4					37/63	35/65	33/67	30/70	28/72	23/77	19/81	14/86	ANC/B3D	

FOR: GMT 560, C4V0/C5V042, 2004

ANC= SHUTTLE BUS

B3D= SCHOOL BUS

[ ] INCHES

FOR MILLIMETER CONVERSION MULTIPLY X 25.4

6/25/04 REV

TD005844c

Formulas for Calculating Height Dimensions to Top of Frame

Front Axle

Sample Data:

Model	Tire	Tire Loaded Radius	LH	C	D
C5C042	225/70R19.5F R3C/S3C (Goodyear)	15"	8.27"	6.78"	4.83"

Frame Reinforcement RPO	Wheelbase	Suspension RPO	Axle RPO
F08	EG9	FK7 (6,000 lb)	FN9 (6,000 lb)

Formulas:

CH = C + Tire Loaded Radius + LH
DH = D + Tire Loaded Radius + LH

CH = 6.78" + 15" + 8.27" = 30.05"
DH = 4.83" + 15" + 8.27" = 28.1"

Definitions:

C – Centerline of axle to bottom inside of rail at curb position
D – Centerline of axle to bottom inside of rail at design load
LH – Distance from the bottom inside rail to the top of the rail

NOTE: For Tire Loaded Radius, go to the Medium Duty Online Order Guide and select Technical Data / Gray Tabs from the upper tool bar, and select Wheel-Tire Specification.

For the C & D values see the Front Axle and Suspension Chart.

For the LH values see the Frame Length with Reinforcements section.

Step Height Dimensions:

When calculating step height dimensions see the step assembly location, and the frame drawings for values.

Formulas for Calculating Height Dimensions to Top of Frame

Rear Axle

Sample Data:

Model	Tire	Tire Loaded Radius	LH	C	D
C5C042	225/70R19.5F S3H (Goodyear)	15.1"	8.35"	8.63"	6.41"

Frame Reinforcement RPO	Wheelbase	Suspension RPO	Axle RPO
F08	EK8	GR4 (13,500 lb)	GL8 (13,500 lb)

Formulas:

CH = Tire Loaded Radius + C + LH
DH = Tire Loaded Radius + D + LH

CH = 15.1" + 8.63" + 8.35" = 32.08"
DH = 15.1" + 6.41" + 8.35" = 29.86"

Definitions:

C – Centerline of axle to bottom inside of rail at curb position
D – Centerline of axle to bottom inside of rail at design load
LH – Distance from the bottom inside rail to the top of the rail

NOTE: For Tire Loaded Radius, go to the Medium Duty Online Order Guide and select Technical Data / Gray Tabs from the upper tool bar, and select Wheel-Tire Specification.

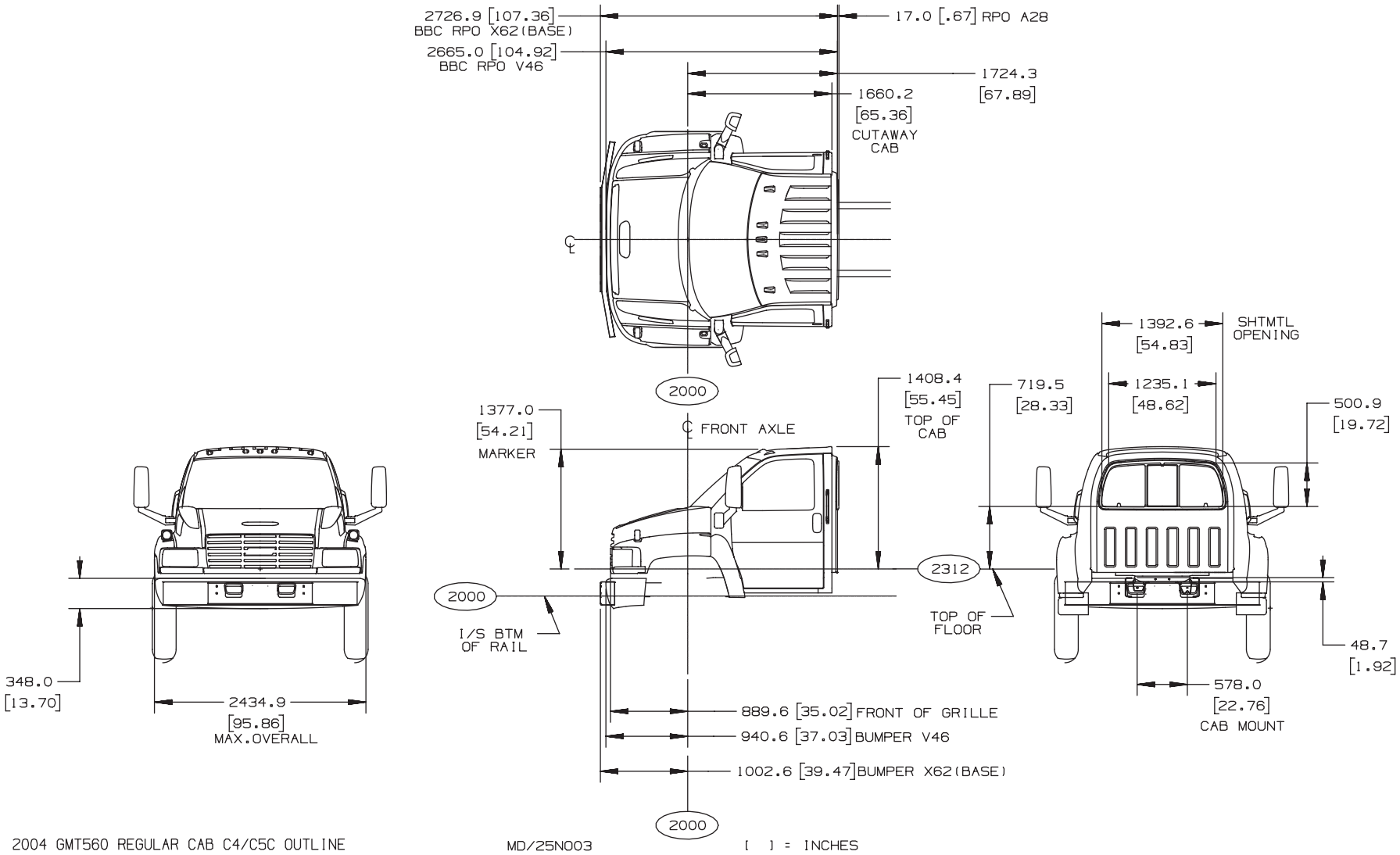
For the C & D values see the Front Axle and Suspension Chart.

For the LH values see the Frame Length with Reinforcements section.

Step Height Dimensions:

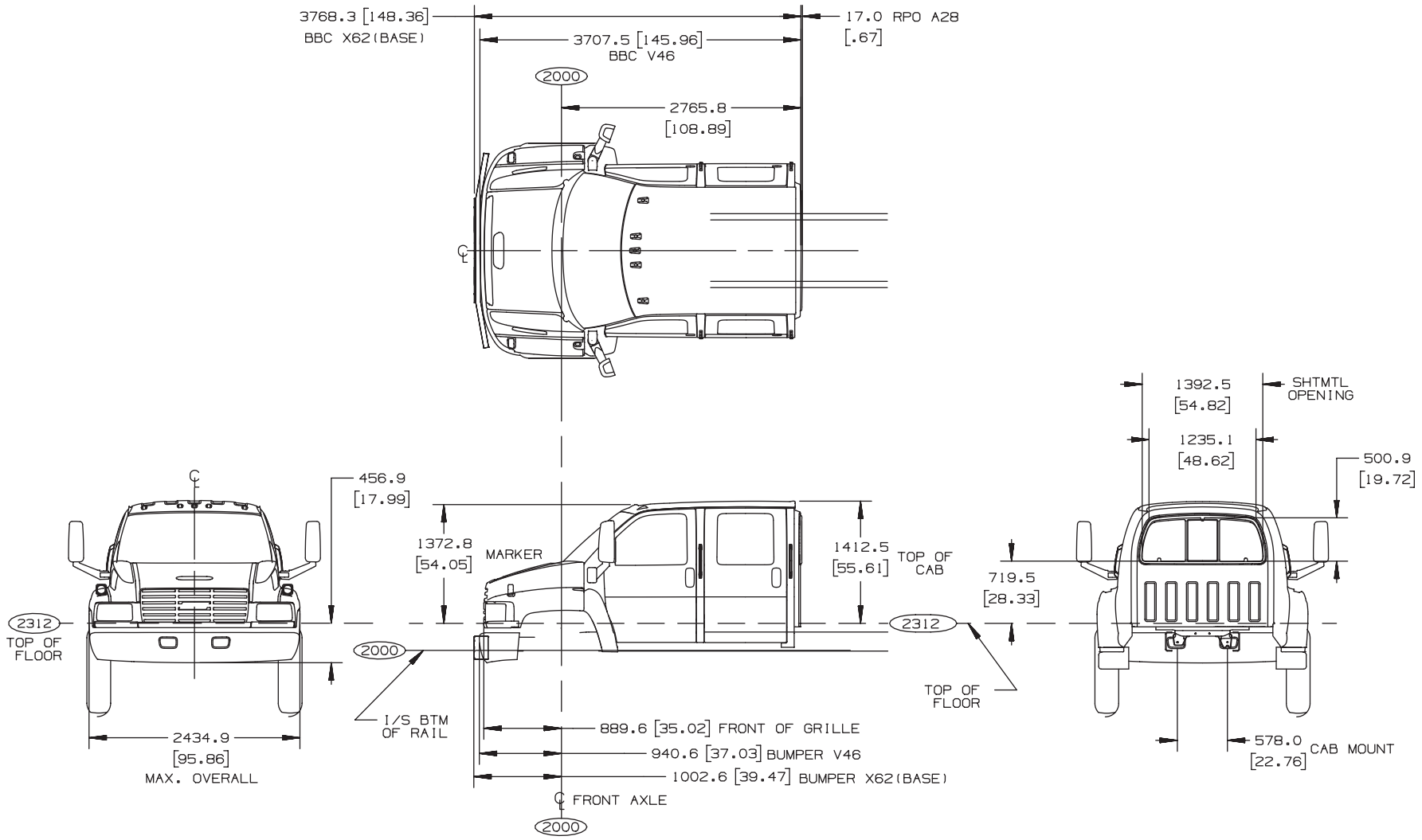
When calculating step height dimensions see the step assembly location, and the frame drawings for values.

Regular and Cutaway Cab Exterior



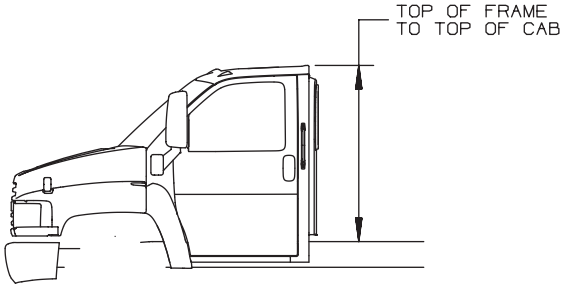
TD005861b

Crew Cab Exterior



TD005860a

Cab Heights – Top of Frame to Top of Cab Dimensions



MEDIUM DUTY, C SERIES - FAMILY 2		
	FRAME RAIL THICKNESS	
	6.0 [0.24]	8.0 [0.32]
MODELS	DIMENSION: TOP OF FRAME TO TOP OF CAB	
REG. CAB - (C4/C5C)042/044	1510.4 [59.46]	1508.4 [59.39]
CUTAWAY CAB - (C4/C5U)042&(C4/C5V)042		
CREW CAB - (C4/C5E)042/044	1515.0 [59.64]	1513.0 [59.57]

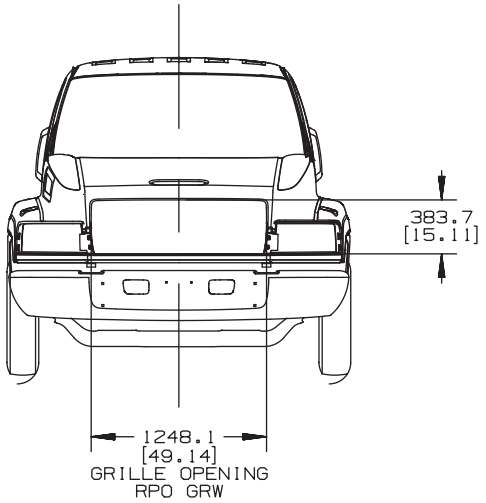
MEDIUM DUTY, C SERIES - FAMILY 3						
	FRAME RAIL THICKNESS			FRAME RAIL THICKNESS		
FRAME OPTIONS #	F0O	F05	F02	F0O	F05	F02
	6.0 [0.24]	8.0 [0.32]	10.0 [0.39]	6.0 [0.24]	8.0 [0.32]	10.0 [0.39]
INVERTED L REINF. OPTIONS #				F08	F08/FSA	F20/FSC
				6.0 [0.24]	6.0 [0.24]	6.0 [0.24]
MODELS	DIM: TOP OF FRAME TO TOP OF CAB			DIM: TOP OF FRAME REINF. TO TOP OF CAB		
REG. CAB - (C6/C7/C8C)042/064	1580.5 [62.20]	1578.5 [62.10]	1551.5 [61.10]	1574.5 [62.00]	1572.5 [61.90]	1545.5 [60.80]
CUTAWAY CAB - (C6/C7/C8V)042/064						
CREW CAB - (C6/C7/C8E)042/064	1584.6 [62.40]	1582.6 [62.30]	1555.6 [61.20]	1578.6 [62.10]	1576.6 [62.10]	1549.6 [61.00]

22JN04 NI

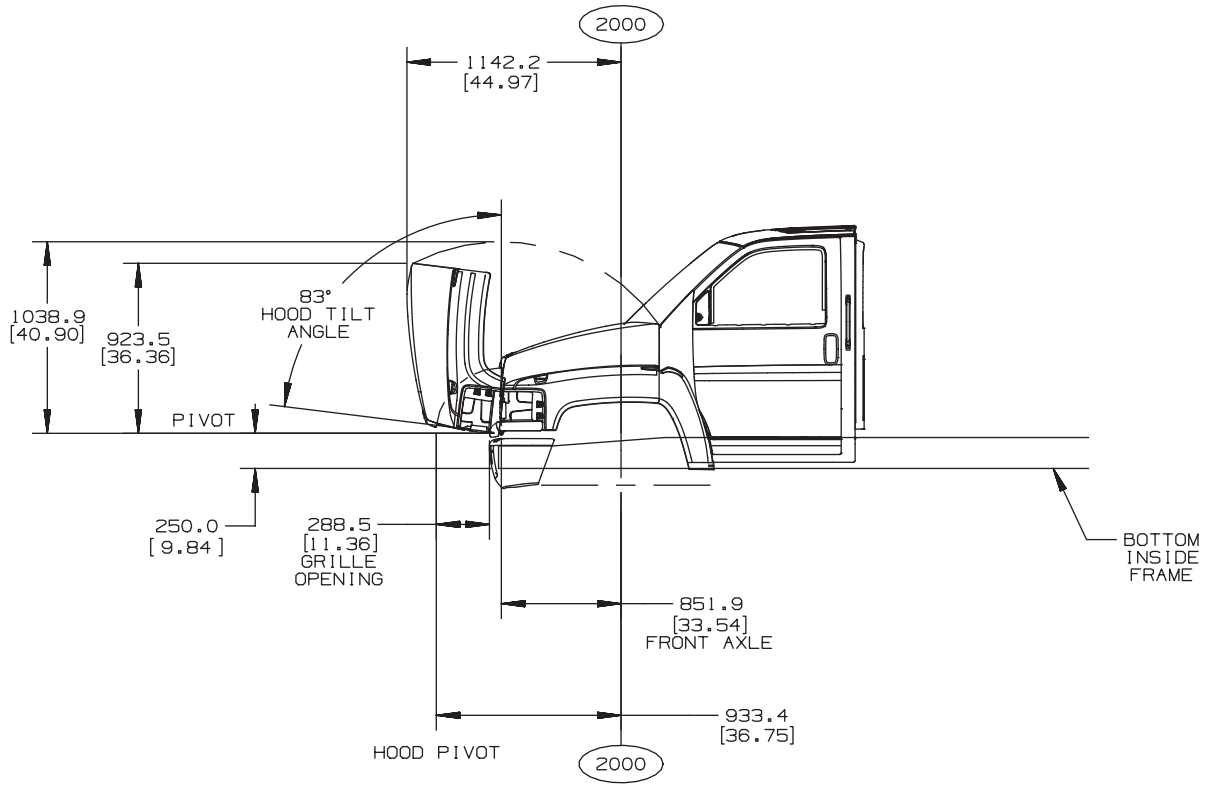
[ ]=INCHES

TD005861d

Hood Swing and Grille Opening



NOTE:
ALL VERTICAL DIMENSIONS
ARE FROM THE INSIDE
BOTTOM FLANGE OF FRAME

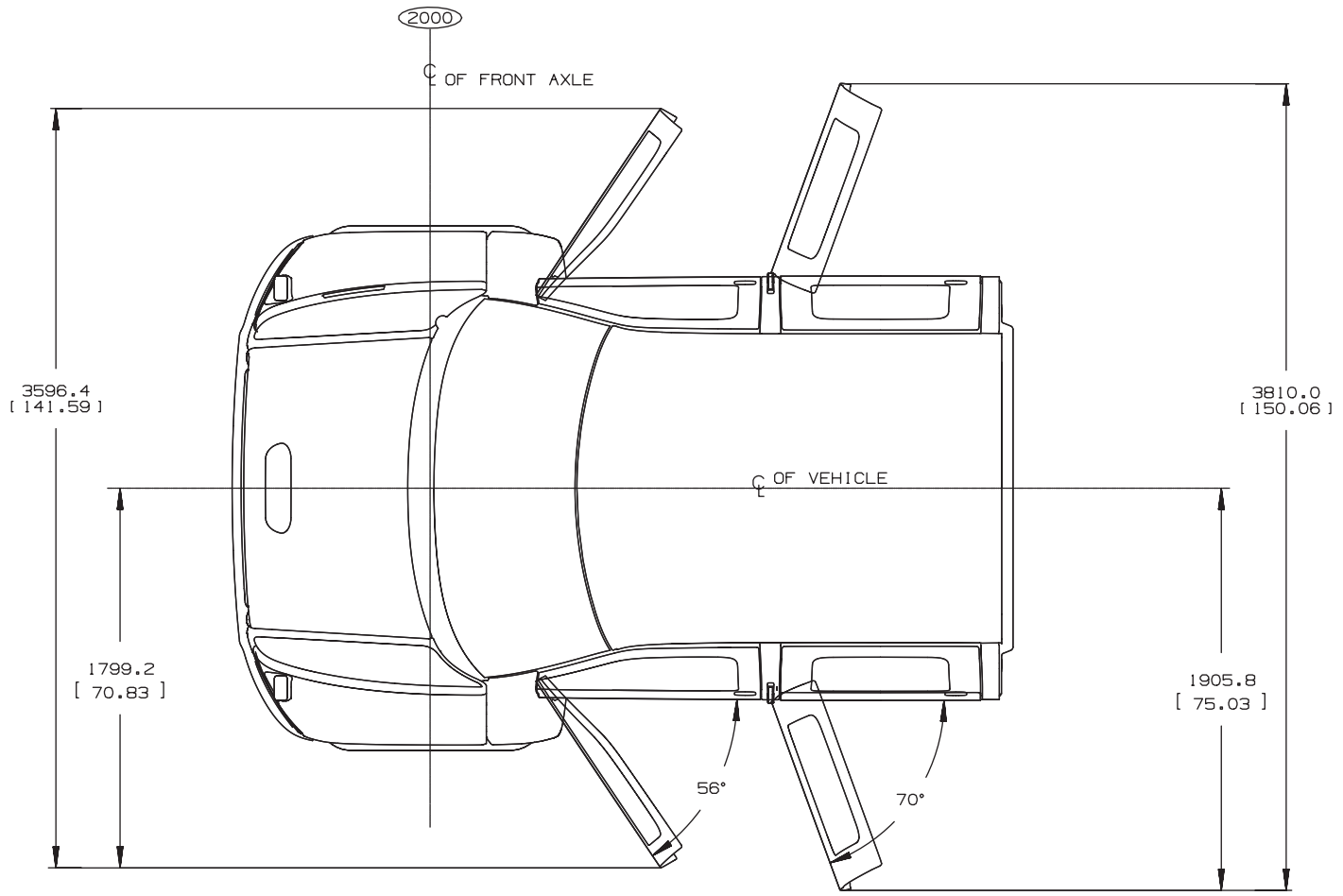


HOOD OPENING & SWING
GMT 560, C4/5, 2003

[ ] = INCHES

TD005847a

Door Swings

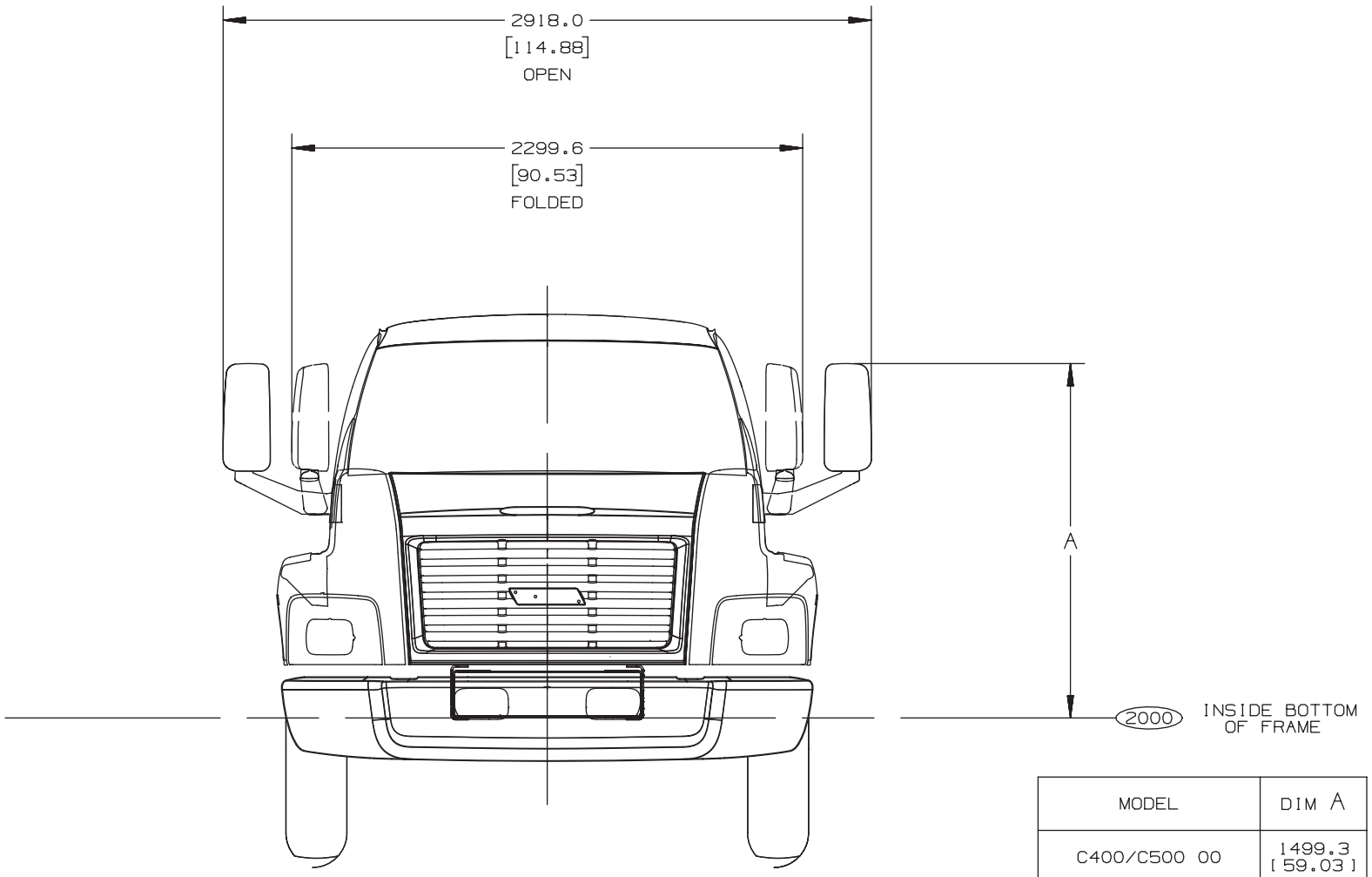


[ ]=INCHES

NOTE:
REAR DOORS ARE FOR
CREW CAB ONLY C8C064

TD005850

Mirrors – Exterior



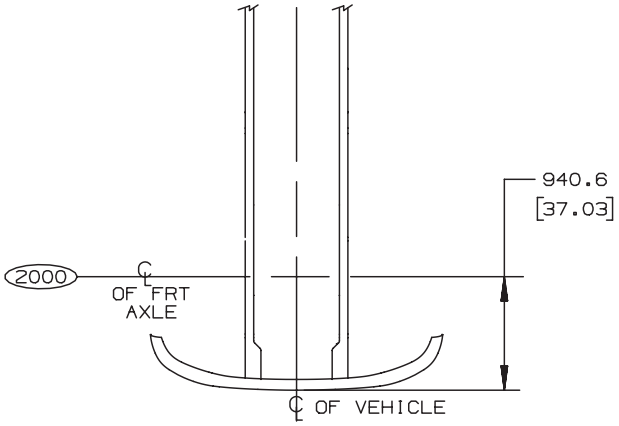
MIRROR ASM-OUTSIDE REAR VIEW
RPO DB5

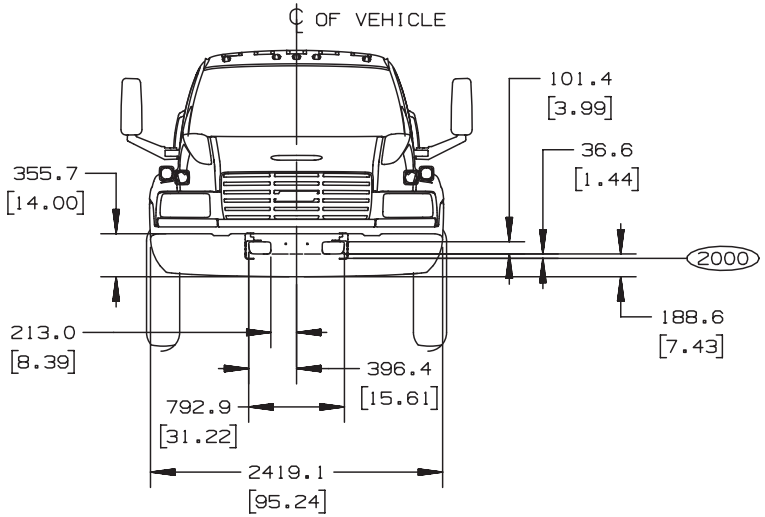
MODEL	DIM A
C400/C500 00	1499.3 [59.03]
C600/C700/C800 00	1594.3 [62.77]

[ ] = INCHES

TD005862

Front Bumper





BASE - VH6: ARGENT
V46: CHROME

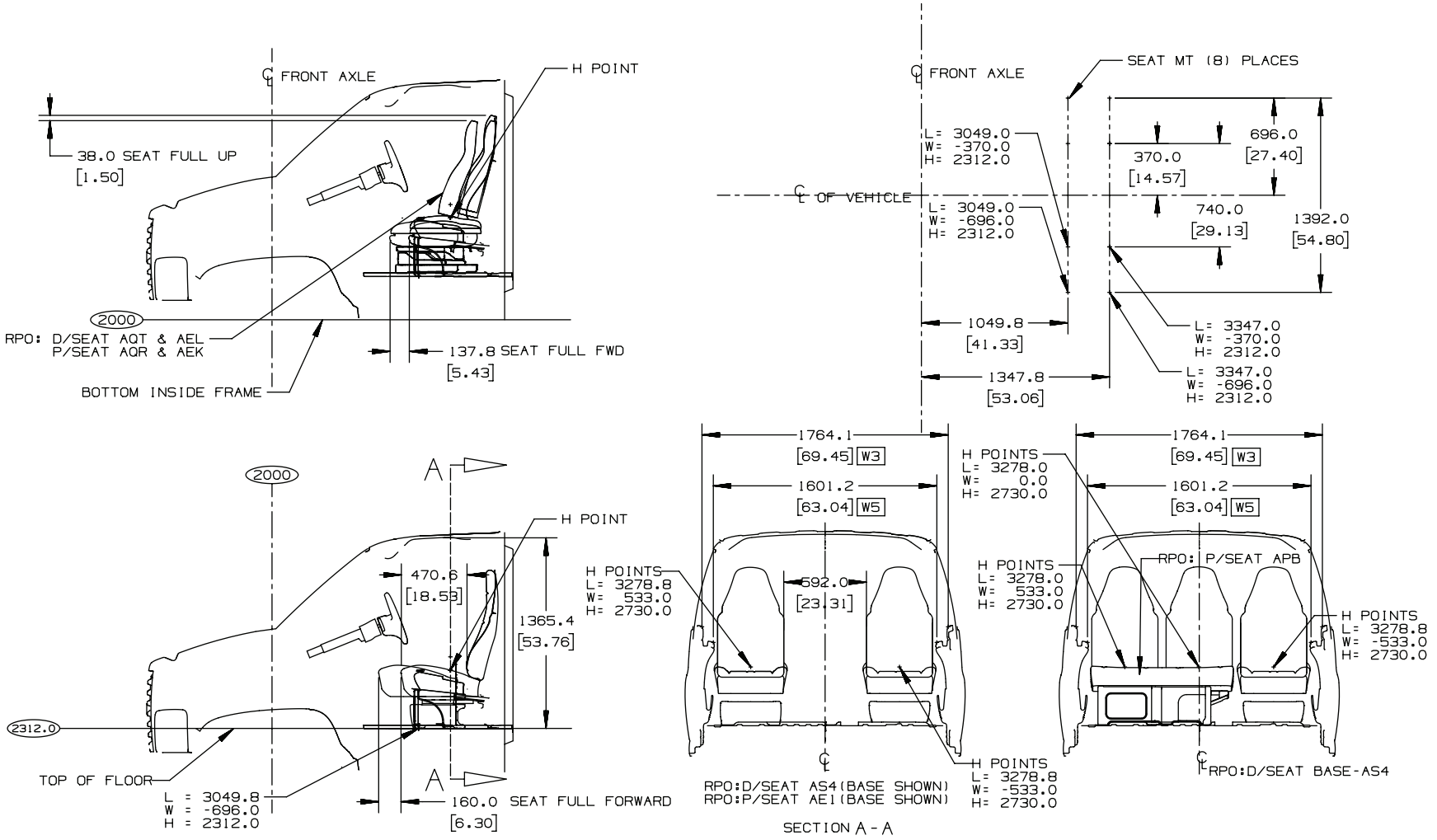
FRONT BUMPER, GMT 560, C4/5

21/JN04 NI

[ ] = INCHES

TD005884a

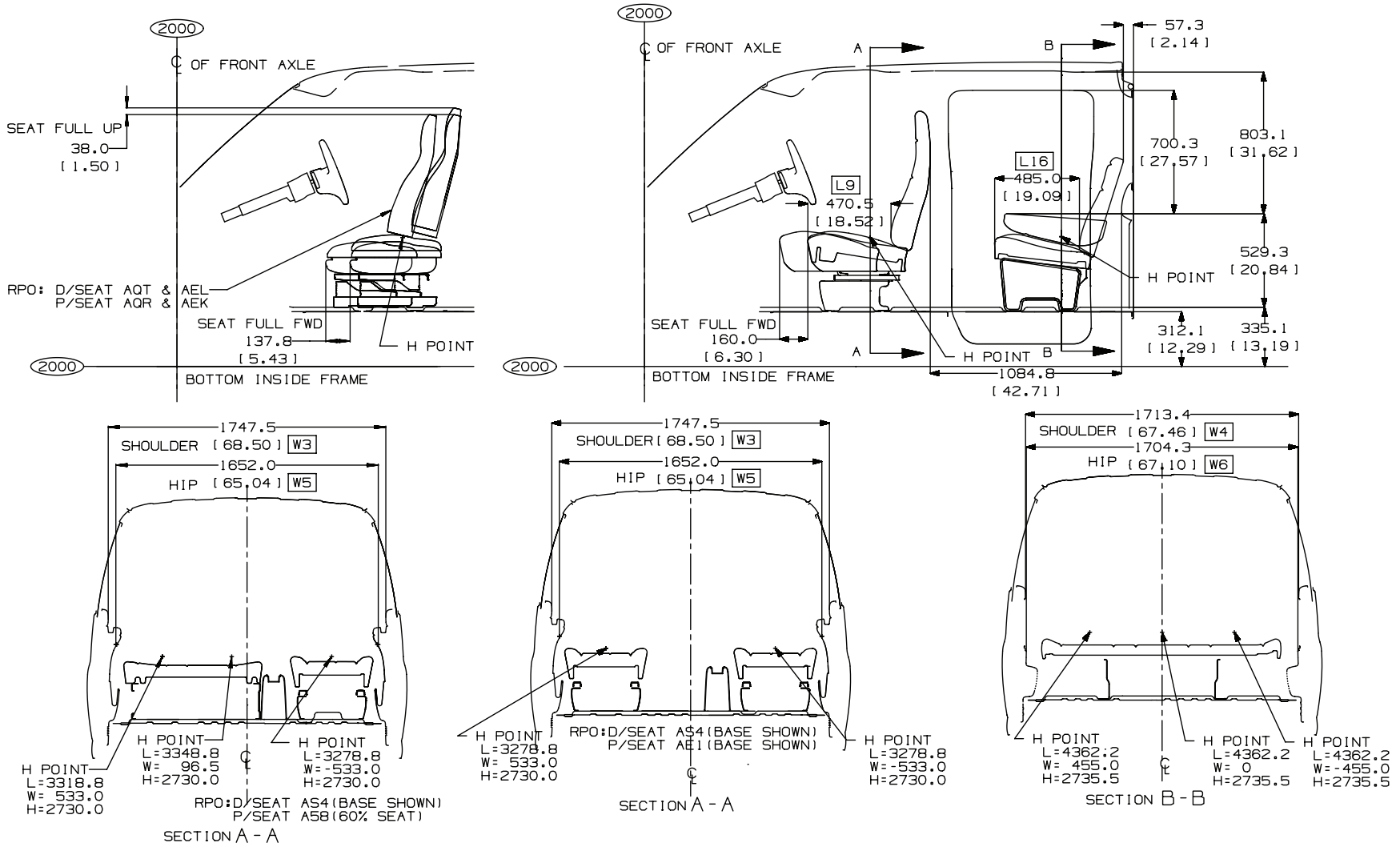
Seating Arrangement – Regular and Cutaway Cabs



GMT560 C4/5 INTERIOR SEATING POSITION 2008 09SEP08 JF [ ] = INCHES

TD005857.3

Seating Arrangement – Crew Cab



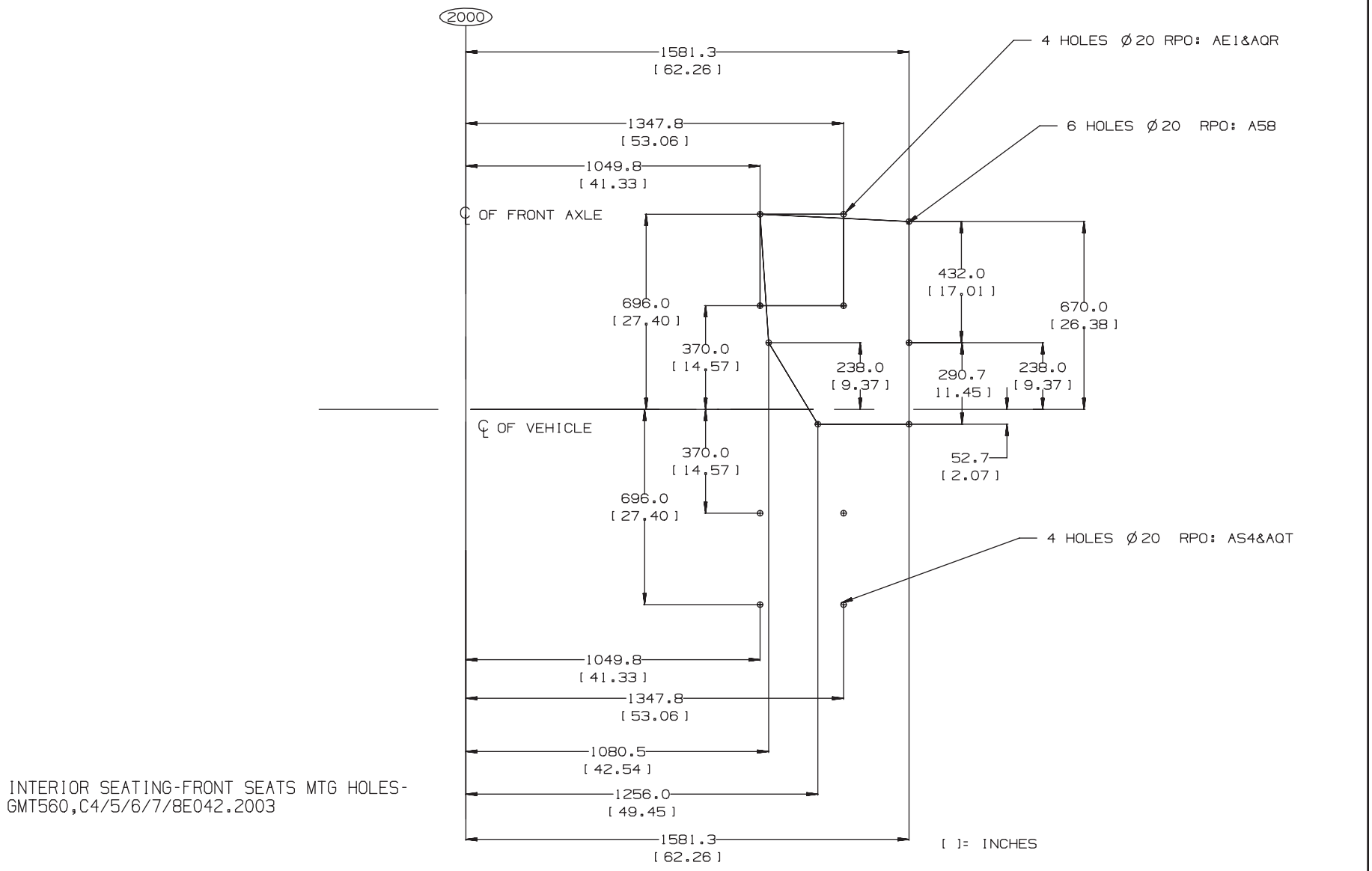
GMT560 C4/5E042 SEATING-CREW CAB 2008

05SEP08 JF

[ ]= INCHES

TD005858.4

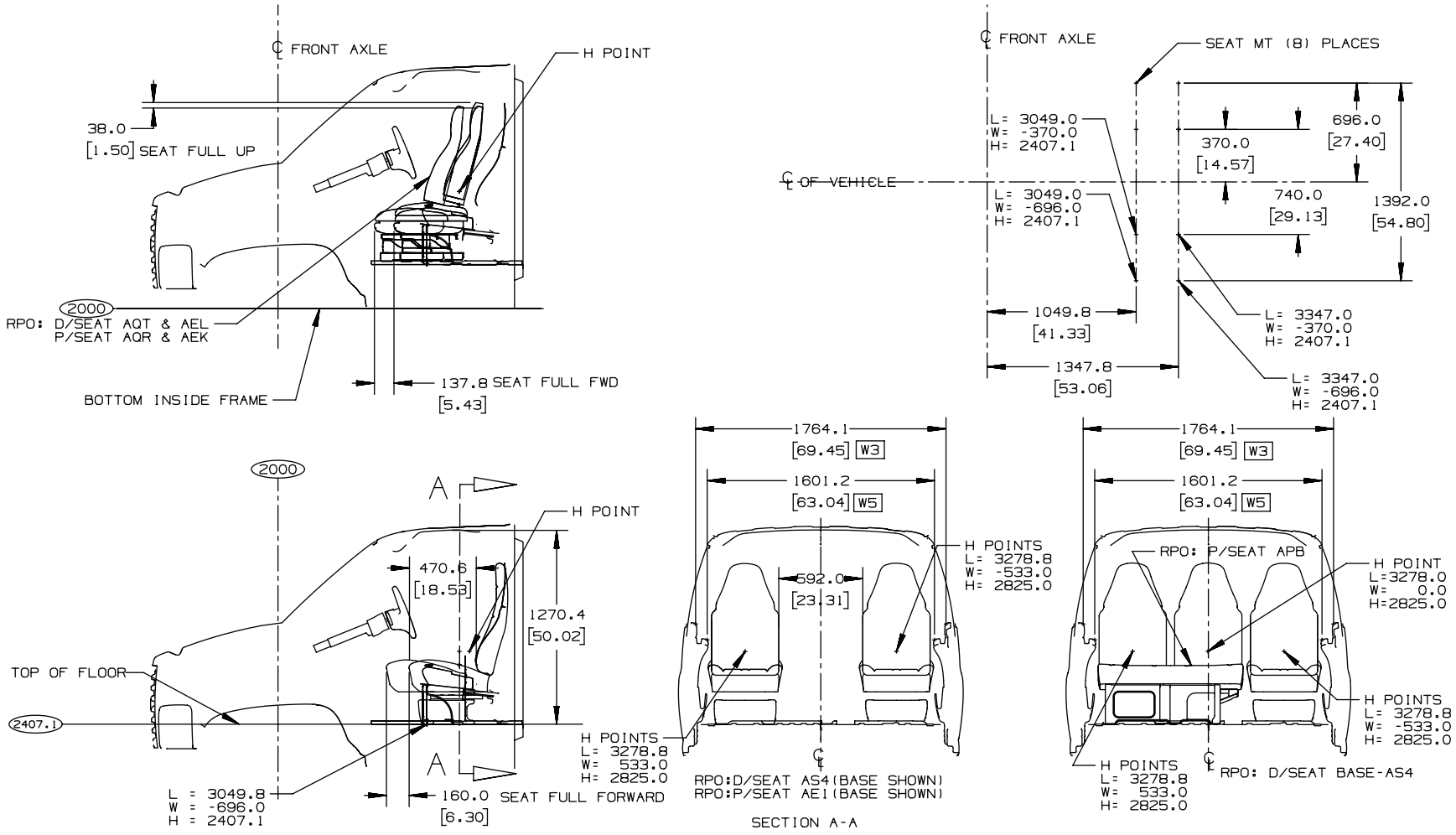
Front Seat Pedestal, Hole Mounting Location



INTERIOR SEATING-FRONT SEATS MTG HOLES-
GMT560,C4/5/6/7/8E042.2003

TD005858c

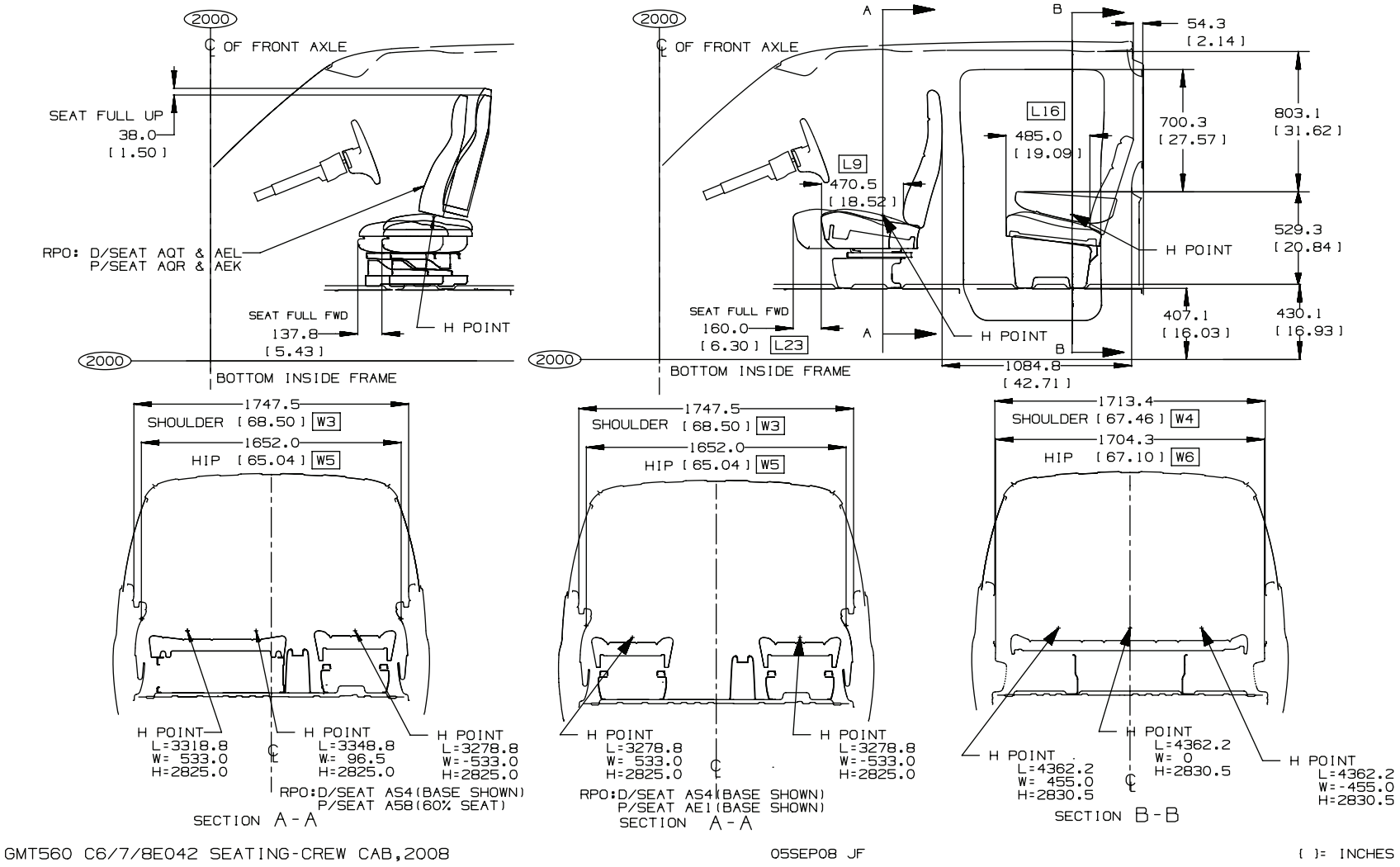
Cutaway Rear Flange



GMT560 C6/7/8 INTERIOR SEATING POSITION 2008 09SCP08 JF [ ] = INCHES

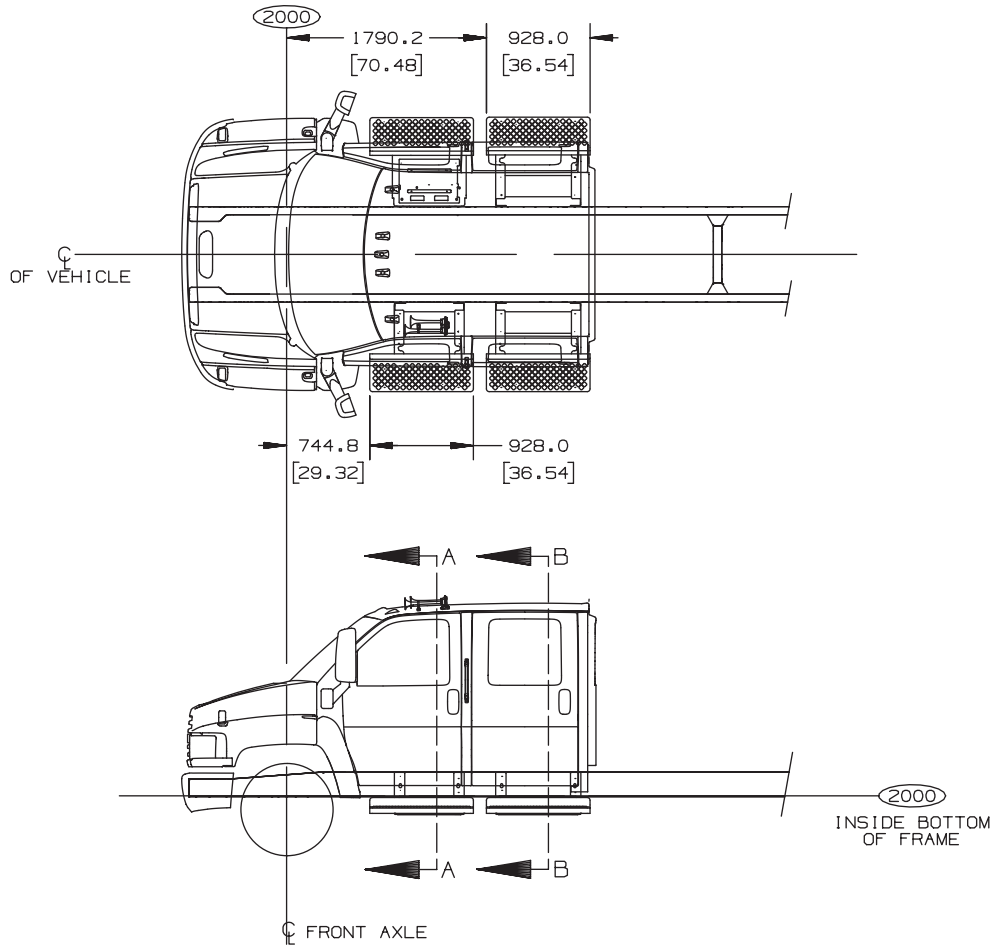
TD005857.4

Cab Entry Step and Battery Box Locations – Regular and Cutaway Cabs

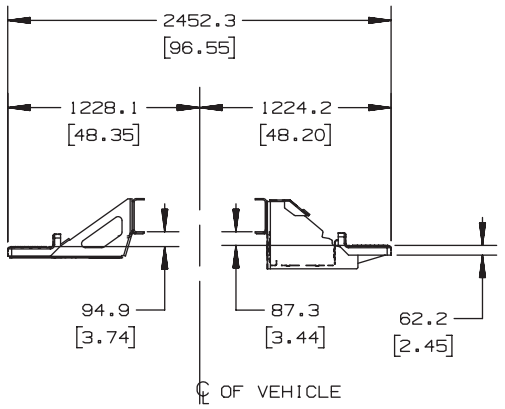


TD005858.3

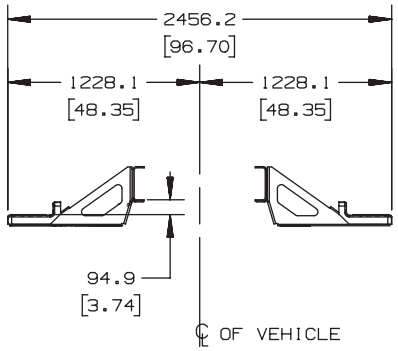
Cab Entry Step and Battery Box Location – Crew Cab



C4E0/C5E0 00
STEP ASM. LOCATION



SECTION A - A



SECTION B - B

[ ] = INCHES

TD005978

Frame Hardness Specification

- General Motors purchases hot-rolled steel for GMC side rails and reinforcements which has been slit from wide coil, de-coiled to length and pickled and oiled. The steel is then stamped, to insert the hole pattern and profile, by a compound crop and pierce tool. This blank is then formed to rail section prior to being electrophoretically painted. The hot-rolled process imparts a surface texture to the steel, which is retained in the 50 and 80k psi rails.
- As you are aware, the common principle in the “Rockwell” and “Brinell” instruments used to measure hardness is the indentation of the subject surface by a hard object. The difference between the two is that the “Rockwell” instrument utilizes a diamond pyramid, whereas the “Brinell” instrument uses a tungsten carbide ball to indent the surface; and that the “Rockwell” is used on a smooth/polished surface whereas the “Brinell” is used on a uneven surface. With the above in mind, note the data measured in Brinell Hardness Numbers (BHN).
- The 50 Ksi yield material (SAE J1392 050XF) is in the 135-170 BHN range.
- The 80 Ksi yield material (SAE J1392 080XLF) is in the 217-235 BHN range.

Frame Materials and Properties

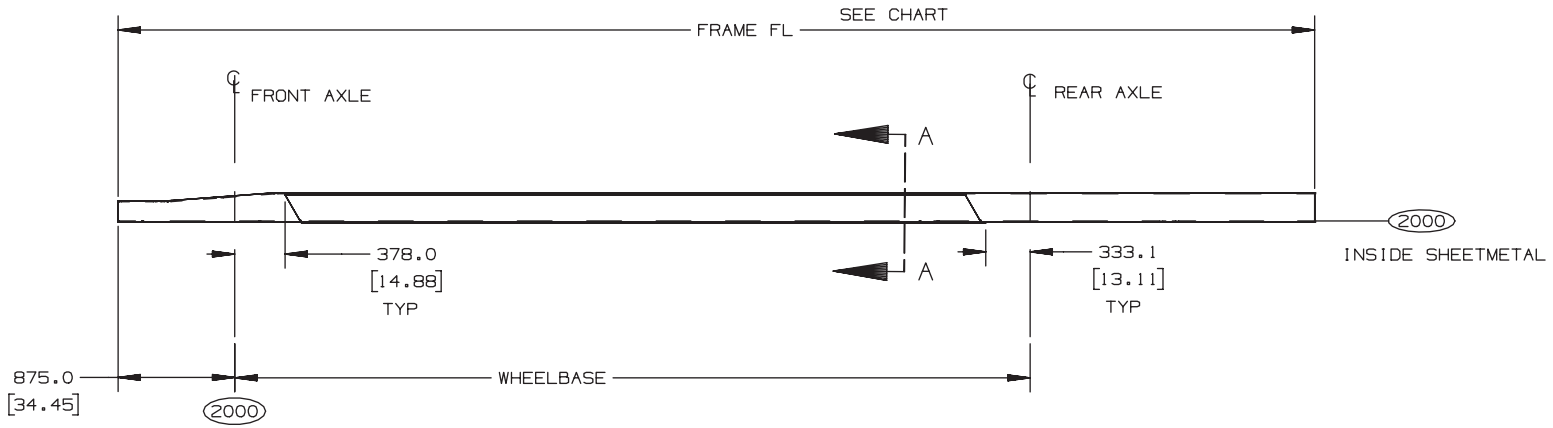
	C4500 or C5500 Wheelbases Greater than 152" (386.1) for Regular Cab Models	C4500 & C5500 Motorhome and C4500 & C5500 Cutaway Chassis with (B3D)	C4500 & C5500 128" (325.1) & 152" (386.1) Wheelbases Models for Regular Cab Models and C4500 & C5500 Cutaway Chassis (w/o B3D)
Material Steel No. or Type	SAE J1392 (-080 XLF)	SAE J1392 (-050 XLK / XLF)	SAE J1392 (-080 XLF)
Material Thickness-in (mm)	0.32 (8)	0.24 (6)	0.24 (6)
Physical Properties: Minimum Tensile or Ultimate Strength psi (kPa)	95,000 (655,000)	60,000 (413,700)	95,000 (655,0000
Minimum Yield Strength psi (kPa)	80,000 (551,600)	50,000 (344,700)	80,000 (551,600)
Resisting Bending Moment (RBM) (Rated Yield Strength x Section Modulus)		50,000 x SM	80,000 x SM
Section Modulus in^3 (cm^3)	10.31 (169)	7.63 (125)	7.63 (317.6)
Rated RBM	824,800	381,500	610,400
Optional Reinforcement RPO	F08	N/A	F08 (C4C/C5C only)
Reinforcement Type	Upright "L"	Not Offered	Upright "L"
Material Thickness-in (mm)	0.24 (6)	N/A	0.24 (6)
Combined Section-in^3 (cm^3)	14.20 (232.7)	N/A	14.1 (231.1)
Rated Combined RBM	1,136,000	N/A	1,128,000

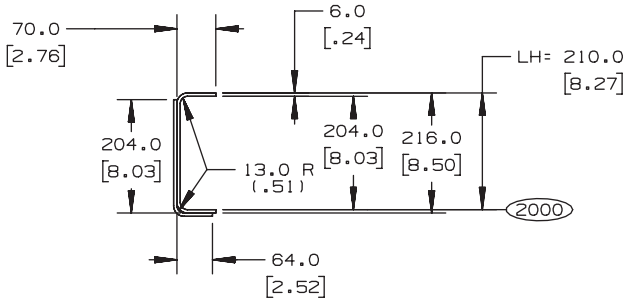
** SECTION MODULUS BASED ON Square C-Channel. Actual parts contain radius.

110 Heat-Treated Versus 80K HSLA

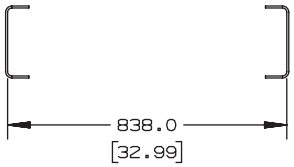
GM Truck is the only major OEM to offer 80K HSLA material on all C-Series. This offering is based on fatigue testing which shows equivalency to heat-treated steel. Frames fail in fatigue, not yield, and therefore the materials are equivalent with respect to service life.

Frame Rail and Reinforcements Dimensions Drawing

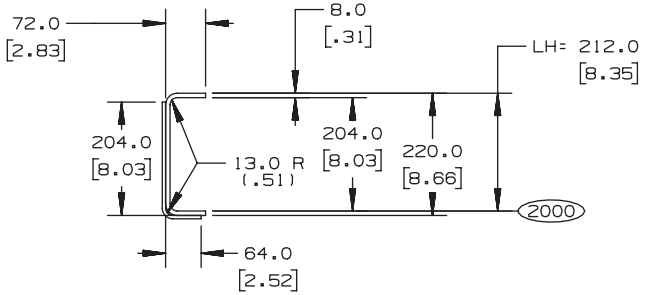




SECTION A-A
REINFORCEMENT RPO F08
WHEELBASE EG9,EC9,FQT
C4C042/C5C042,C4C044/C5C044
ALL REINFORCEMENT THICKNESSES ARE 6.0MM



INSIDE SHEETMETAL
FRAME REAR VIEW



SECTION A-A
REINFORCEMENT RPO F08
WHEELBASE EK4,EK8,EK5,FNW,
FPP,ED7,EQ4,FRP,EH8,EP5,EE4,EK6,FXA
C4C0/5C042,C4E0/5E042,C5U042,C5V042
C4/5C044,C4/C5E044

LH=REF AXLE CHART

[ ] = INCHES

06/16/04 REV

TD005882a

Frame Lengths and Reinforcements Charts

WHEELBASE	C4C042	C4E042	C4U042	C4V042	C5C042	C5E042	C5U042	C5V042	C4C044	C4E044	C5C044	C5E044	FRAME FL	FRAME THICKNESS	FRAME REINF
EC9 128	*				*								5155.0 (202.95)	6.0 (.24)	F08
FQT 140					*								6300.0 (248.03)	6.0 (.24)	F08
EG9 152	*			*	*				*		*		6300.0 (248.03)	6.0 (.24)	F08
EC1 165.5				*				*					6875.0 (270.67)	6.0 (.24)	———
EC1 165.5			*				*						7210.0 (283.86)	6.0 (.24)	———
FPP 169		*				*				*		*	6735.0 (265.16)	8.0 (.31)	F08
EH8 170					*								6960.0 (274.02)	8.0 (.31)	F08
FNW 176	*				*				*		*		7115.0 (280.12)	8.0 (.31)	F08
EC2 183.5				*				*					7665.0 (301.77)	6.0 (.24)	F08
EC2 183.5			*				*						8085.0 (318.31)	6.0 (.24)	F08
EK8 188	*				*				*		*		7785.0 (306.50)	8.0 (.31)	F08
EK4 194		*				*				*		*	7370.0 (290.16)	8.0 (.31)	F08
EK4 194					*						*		7935.0‡ (312.40)	8.0 (.31)	F08
EC3 195.5				*				*					7970.0 (313.78)	6.0 (.24)	F08
EC3 195.5							*						8785.0 (345.87)	6.0 (.24)	F08
EK5 206					*								8240.0 (324.41)	8.0 (.31)	F08
EL5 212					*								8395.0 (330.51)	8.0 (.31)	F08
EC4 213.5							*						9245.0 (363.98)	6.0 (.24)	F08
ED7 217		*				*				*		*	8520.0 (335.43)	8.0 (.31)	F08

WHEELBASE	C4C042	C4E042	C4U042	C4V042	C5C042	C5E042	C5U042	C5V042	C4C044	C4E044	C5C044	C5E044	FRAME FL	FRAME THICKNESS	FRAME REINF
EP5 221.5							*						8634.0 (339.92)	8.0 (.31)	F08
EP5 221.5						*							9750.0 (383.86)	8.0 (.31)	F08
EK6 224				*									8697.0 (342.40)	8.0 (.31)	F08
EQ4 229		*				*				*		*	8825.0 (347.44)	8.0 (.31)	F08
EQ8 233							*						8925.0 (351.38)	6.0 (.24)	———
EQ8 233						*							10155.0 (399.80)	6.0 (.24)	———
FRP 235					*							*	8980.0 (353.54)	8.0 (.31)	F08
FXA 239						*							9820.0 (386.61)	8.0 (.31)	———
EE4 254				*									9680.0 (381.10)	8.0 (.31)	F08

[ ] = INCHES

06/16/04 REV

TD005882b

Frame Lengths and Reinforcements Charts

WHEELBASE	C4C042	C4E042	C4U042	C4V042	C5C042	C5E042	C5U042	C5V042	FRAME FL	FRAME THICKNESS	FRAME REINF	RPO
EC1 165.5				*				*	7330.0 (288.58)	6.0 (.24)	———	ANC/B3D
EC2 183.5				*				*	7785.0 (306.49)	6.0 (.24)	———	ANC/B3D
EC3 195.5								*	8090.0 (318.50)	6.0 (.24)	———	ANC/B3D
EC4 213.5								*	8550.0 (336.61)	6.0 (.24)	———	ANC
EC4 213.5								*	9205.0 (362.40)	6.0 (.24)	———	ANC
EQE 220								*	9165.0 (360.83)	8.0 (.31)	F08	ANC/B3D
EQ8 233								*	9495.0 (373.82)	8.0 (.31)	F08	ANC/B3D
EQ1 246								*	9825.0 (386.81)	8.0 (.31)	F08	ANC/B3D
ET7 259								*	10155.0 (399.80)	8.0 (.31)	F08	ANC/B3D

* 40 GALLON FUEL TANK

* 60 GALLON FUEL TANK

ANC= SHUTTLE BUS

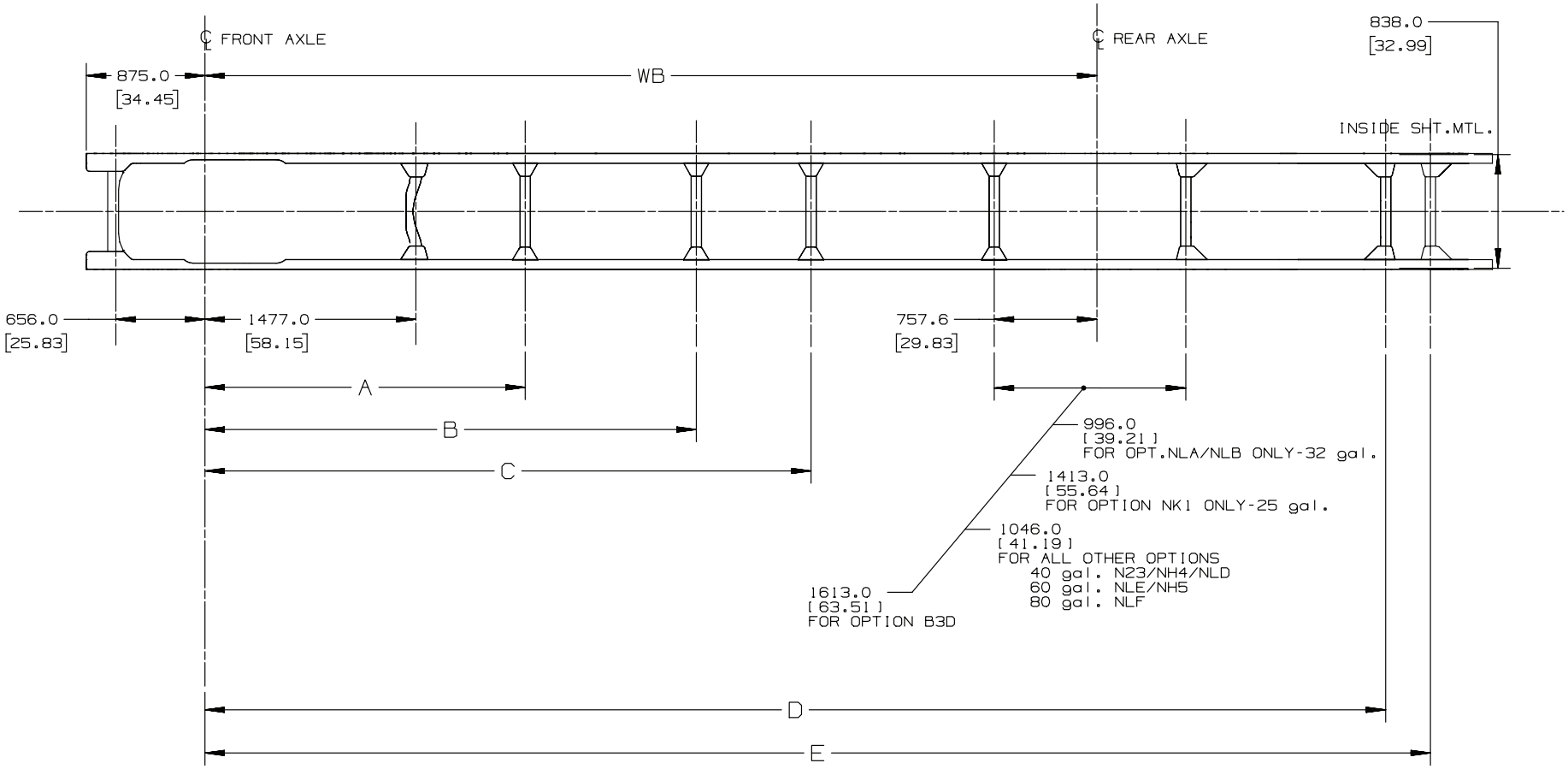
B3D= SCHOOL BUS

[ ]= INCHES

06/16/04 REV

TD005882c

Frame Rail and Crossmember Location Drawing – (042)



GMT560,FRAME & CROSSMEMBER INSTALLATION

GMC/01DEC06

[ ] = INCHES

TD005864a

Frame Rail and Crossmember Location Chart – (042)

C4/5C042-C4/5E042-C4/5U042-C4/5V042 SINGLE AXLE CROSSMEMBER ARRANGEMENT CHART

MODEL	W/B	DIM A	DIM B	DIM C	DIM D (N23/NH4)	DIM D (NG6)	DIM D (NK1)	DIM D (NN4/NH5)	DIM D (NJ9)	DIM D (NLA)	DIM E (NG6)	DIM E (N23/NH4)	DIM E (NN4/NH5)	DIM E (NJ9)
C4C/C5C042	EC9 3251.2 [128.00]	———	———	———	———	4027.0 [158.53]	———	———	———	———	———	———	———	———
C5C042	FQT 3556.0 [140.00]	1827.0 [71.93]	———	———	4868.0 [191.65]	4331.0 [170.51]	———	———	———	4668.0 [183.78]	4925.0 [193.90]	———	———	———
C4C/C5C042	EG9 3860.8 [152.00]	1827.0 [71.93]	———	———	5173.0 [203.66]	4636.0 [182.52]	———	———	———	4973.0 [195.79]	———	———	———	———
C4C/C5C042(FSQ)	EG9 3860.8 [152.00]	1827.0 [71.93]	———	———	5173.0 [203.66]	———	———	———	———	———	———	5740.0 [225.98]	———	———
C4U/C5U042	EC1 4203.7 [165.50]	2095.0 [82.48]	———	———	———	———	———	5966.0 [234.88]	———	———	———	———	———	———
C4V/C5V042	EC1 4203.7 [165.50]	2095.0 [82.48]	———	———	5516.0 [217.16]	———	———	———	———	———	———	———	———	———
C4E/C5E042	FPP 4292.6 [169.00]	2184.0 [85.98]	2592.5 [102.07]	———	5605.0 [220.67]	5068.0 [199.53]	5477.0 [215.63]	———	———	5405.0 [212.80]	5477.0 [215.63]	———	———	———
C5C042	EH8 4318.0 [170.00]	2362.0 [92.99]	———	———	5630.0 [221.65]	———	———	———	———	5430.0 [213.78]	———	———	———	———
C4C/C5C042	FNW 4470.4 [176.00]	2362.0 [92.99]	———	———	5783.0 [227.68]	5246.0 [206.54]	5663.0 [222.95]	———	———	5583.0 [219.80]	5663.0 [222.95]	———	———	———
C4U/C5U042	EC2 4660.9 [183.50]	1827.0 [71.93]	2552.0 [100.47]	———	———	———	———	6423.0 [252.87]	6873.0 [270.59]	———	———	———	———	———
C4V/C5V042	EC2 4660.9 [183.50]	1827.0 [71.93]	2552.0 [100.47]	———	5973.0 [235.18]	———	———	6423.0 [252.87]	———	———	———	———	———	———
C4C/C5C042	EK8 4775.2 [188.00]	1827.0 [71.93]	2667.0 [105.00]	———	6088.0 [239.69]	5551.0 [218.54]	6418.0 [252.68]	6538.0 [257.40]	———	5888.0 [231.81]	6418.0 [252.68]	———	———	———
C5C042	EK4 4927.6 [194.00]	1827.0 [71.93]	2819.0 [110.98]	———	6240.0 [245.67]	5703.0 [224.53]	6570.0 [258.66]	6690.0 [263.39]	———	6040.0 [237.80]	6570.0 [258.66]	———	———	———
C4E/C5E042	EK4 4927.6 [194.00]	1827.0 [71.93]	2520.5 [99.23]	2894.0 [113.93]	6240.0 [245.67]	5703.0 [224.53]	6112.0 [240.63]	———	———	6240.0 [237.80]	6112.0 [240.63]	———	———	———
C5U042	EC3 4965.7 [195.50]	1827.0 [71.93]	2857.0 [112.48]	———	———	———	———	6728.0 [284.88]	7178.0 [282.60]	———	———	———	7441.0 [292.85]	———
C5V042	EC3 4965.7 [195.50]	1827.0 [71.93]	2857.0 [112.48]	———	6278.0 [247.18]	———	———	6728.0 [264.88]	———	———	———	———	———	———
C5C042	EK5 5232.4 [206.00]	1827.0 [71.93]	3124.0 [122.99]	———	6545.0 [257.68]	6008.0 [236.54]	6875.0 [270.67]	6995.0 [275.39]	———	6345.0 [249.80]	6875.0 [270.67]	———	———	———
C5C/C5V042	EL5 5384.8 [212.00]	2362.0 [92.99]	3276.0 [128.98]	———	———	6160.0 [242.52]	———	———	———	———	7027.0 [276.65]	———	———	———
C5U042	EC4 5422.9 [213.50]	1827.0 [71.93]	3314.0 [130.47]	———	———	———	———	7185.0 [282.87]	7635.0 [300.59]	———	———	———	7898.0 [310.94]	———
C4E/C5E042	ED7 5511.8 [217.00]	2362.0 [92.99]	2520.5 [99.23]	3403.0 [133.98]	6824.0 [268.66]	6287.0 [247.52]	7154.0 [281.65]	7274.0 [286.38]	———	6624.0 [260.79]	7154.0 [281.65]	———	———	———
C5V042	EP5 5626.1 [221.5]	2362.0 [92.99]	3518.0 [138.50]	———	6939.0 [273.19]	———	———	7389.0 [290.91]	———	———	———	———	———	———
C5U042	EP5 5626.1 [221.5]	2362.0 [92.99]	3518.0 [138.50]	———	———	———	———	7389.0 [290.91]	7839.0 [308.62]	———	———	———	8375.0 [329.72]	8375.0 [329.72]
C5C042	EK6 5689.6 [224.00]	2362.0 [92.99]	3581.0 [140.98]	———	7002.0 [275.67]	6465.0 [254.53]	7332.0 [288.66]	7452.0 [293.39]	———	6802.0 [267.80]	7332.0 [288.66]	———	———	———
C4E/C5E042	EQ4 5816.6 [229.00]	2362.0 [92.99]	2520.5 [99.23]	3708.0 [145.98]	7129.0 [280.67]	6592.0 [259.53]	7459.0 [293.66]	7579.0 [298.38]	———	6929.0 [272.80]	7459.0 [293.66]	———	———	———
C5E042	FRP 5969.0 [235.00]	2362.0 [92.99]	2520.5 [99.23]	3860.0 [151.97]	7281.0 [288.65]	6744.0 [265.51]	7611.0 [299.64]	7731.0 [304.37]	———	7081.0 [278.78]	7611.0 [299.64]	———	———	———

GMT560,FRAME & CROSSMEMBER INSTALLATION

[ ]= INCHES

TD005864.4

Frame Rail and Crossmember Location Chart – (042)

C4/5C042-C4/5E042-C4/5U042-C4/5V042 SINGLE AXLE CROSSMEMBER ARRANGEMENT CHART

MODEL	W/B	DIM A	DIM B	DIM C	DIM D (N23/NH4)	DIM D(NG6)	DIM D(N21)	DIM D (NN4/NH5)	DIM D(NJ9)	DIM D(NLA)	DIM E (N23/NH4)	DIM E(NG6)	DIM E(NJ9)
C5U042	EQ8 5918.2 [233.00]	2386.0 [93.94]	3086.0 [121.50]	3810.0 [150.00]	———	———	———	———	8131.0 [320.12]	———	———	———	8623.0 [339.49]
C5V042	EQ8 5918.2 [233.00]	2286.0 [90.00]	3086.0 [121.50]	———	7231.0 [284.69]	———	———	———	———	———	———	———	———
C5V042	EQ8 5918.2 [233.00]	2386.0 [93.94]	3086.0 [121.50]	3810.0 [150.00]	———	———	———	7681.0 [302.40]	———	———	———	———	———
C5C042	EE4 6451.6 [254.00]	2362.0 [92.99]	3352.5 [131.99]	4343.0 [170.98]	7764.0 [305.67]	———	8479.5 [333.84]	———	———	7564.0 [297.80]	8340.0 [328.35]	———	———
C5V042(&B3D/ANC)	EC1 4203.7 [165.50]	2095.0 [82.48]	———	———	6083.0 [239.48]	———	———	———	———	———	———	———	———
C5V042(&B3D/ANC)	EC2 4660.9 [183.50]	1827.0 [71.93]	2552.0 [100.50]	———	6540.0 [257.50]	———	———	———	———	———	———	———	———
C5V042(&B3D/ANC)	EC3 4965.7 [195.5]	1827.0 [71.93]	2857.0 [112.50]	———	6845.0 [269.50]	———	———	———	———	———	———	———	———
C5V042(&ANC)	EC4 5422.9 [213.5]	1827.0 [71.93]	3314.0 [130.47]	———	7302.0 [287.50]	———	———	7752.0 [305.49]	———	———	———	———	———
C5V042(&B3D/ANC)	EQE 5588.0 [220.00]	2386.0 [93.94]	3479.0 [136.97]	———	7467.0 [293.98]	———	———	7917.0 [311.69]	———	———	———	———	———
C5V042(&B3D/ANC)	EQ8 5918.2 [233.00]	2386.0 [93.94]	3086.0 [121.50]	3810.0 [150.00]	7798.0 [307.01]	———	———	8248.0 [324.72]	———	———	———	———	———
C5U042	FXA 6070.6 [239.00]	2362.0 [93.00]	3162.0 [124.50]	3962.0 [156.00]	———	———	———	———	8283.0 [326.10]	———	———	———	———
C5V042(&B3D/ANC)	EQ1 6248.4 [246.00]	2386.0 [93.94]	3201.0 [126.02]	4140.0 [162.99]	8128.0 [320.00]	———	———	8578.0 [337.71]	———	———	———	———	———
C5V042(&B3D/ANC)	ET7 6578.6 [259.00]	2386.0 [93.94]	3531.0 [139.01]	4470.0 [175.98]	8458.0 [333.99]	———	———	8908.0 [350.71]	———	———	———	———	———

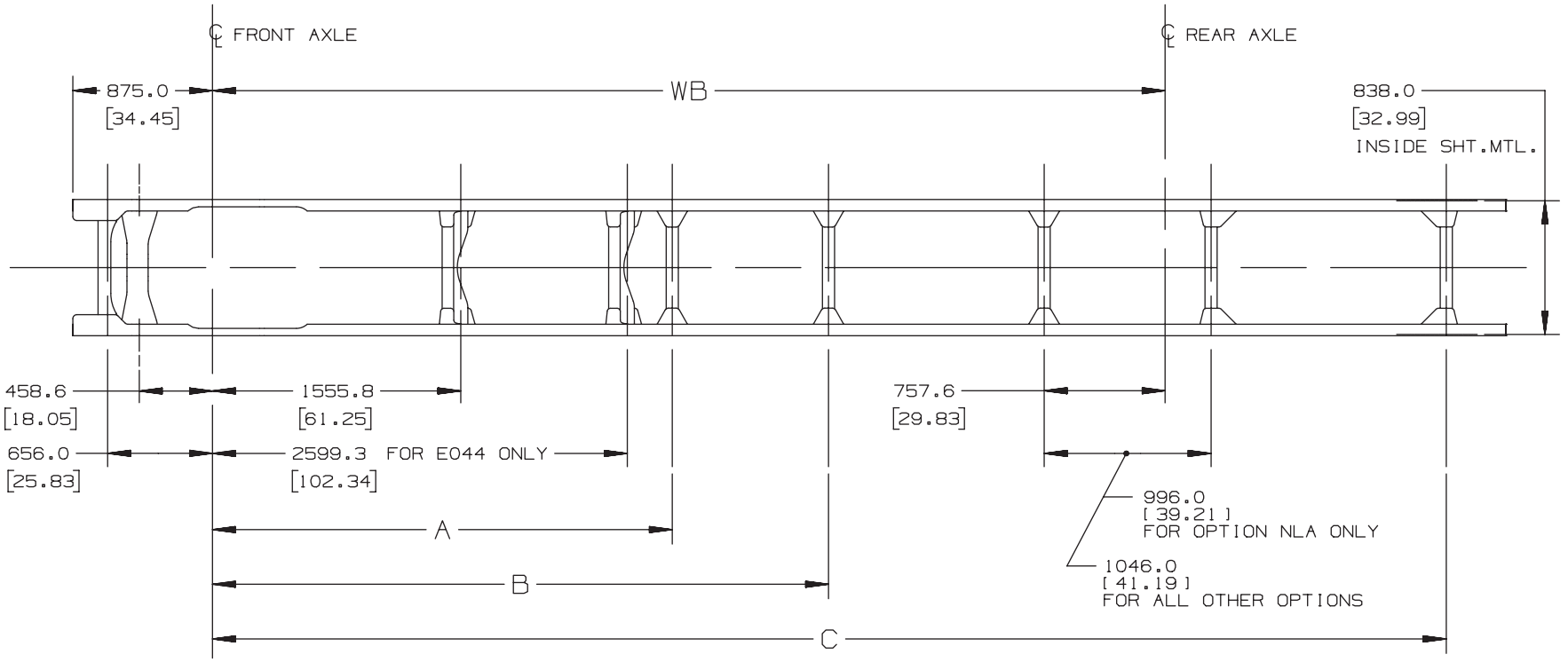
ANC=SALES PACKAGE SHUTTLE BUS
B3D=EQUIPMENT SCHOOL BUS
N23=FUEL TANK 151L(40 GAL)
NH4=FUEL TANK 151L(40 GAL)
NN4=FUEL TANK 227L(60 GAL)
NH5=FUEL TANK 227L(60 GAL)
NG6=FUEL TANK COMBINATION 25 GAL&15 GAL
NJ9=FUEL TANK 304L(80 GAL) LH or RH FILL
N21=FUEL TANK 227L(60 GAL) LOW PROFILE,RH
NK1=FUEL TANK 90L(25 GAL),PLASTIC
NLA=FUEL TANK 121L(32 GAL)
FSQ=EXTENSION FRAME ,CE=4521.20[178"],RR

GMT560,FRAME & CROSSMEMBER INSTALLATION

[ ]= INCHES

TD005864.5

Frame Rail and Crossmember Location Drawing – (044)



NJ2=FUEL TANK TEMPORARY
NLA=FUEL TANK 121L (32 GAL)
N23=FUEL TANK 151L (40 GAL)
NN4=FUEL TANK 227L (60 GAL)

GMT560, FRAME & CROSSMEMBER INSTALLATION JA/06AP04 [ ] = INCHES

TD005864d

Frame Rail and Crossmember Location Chart – (044)

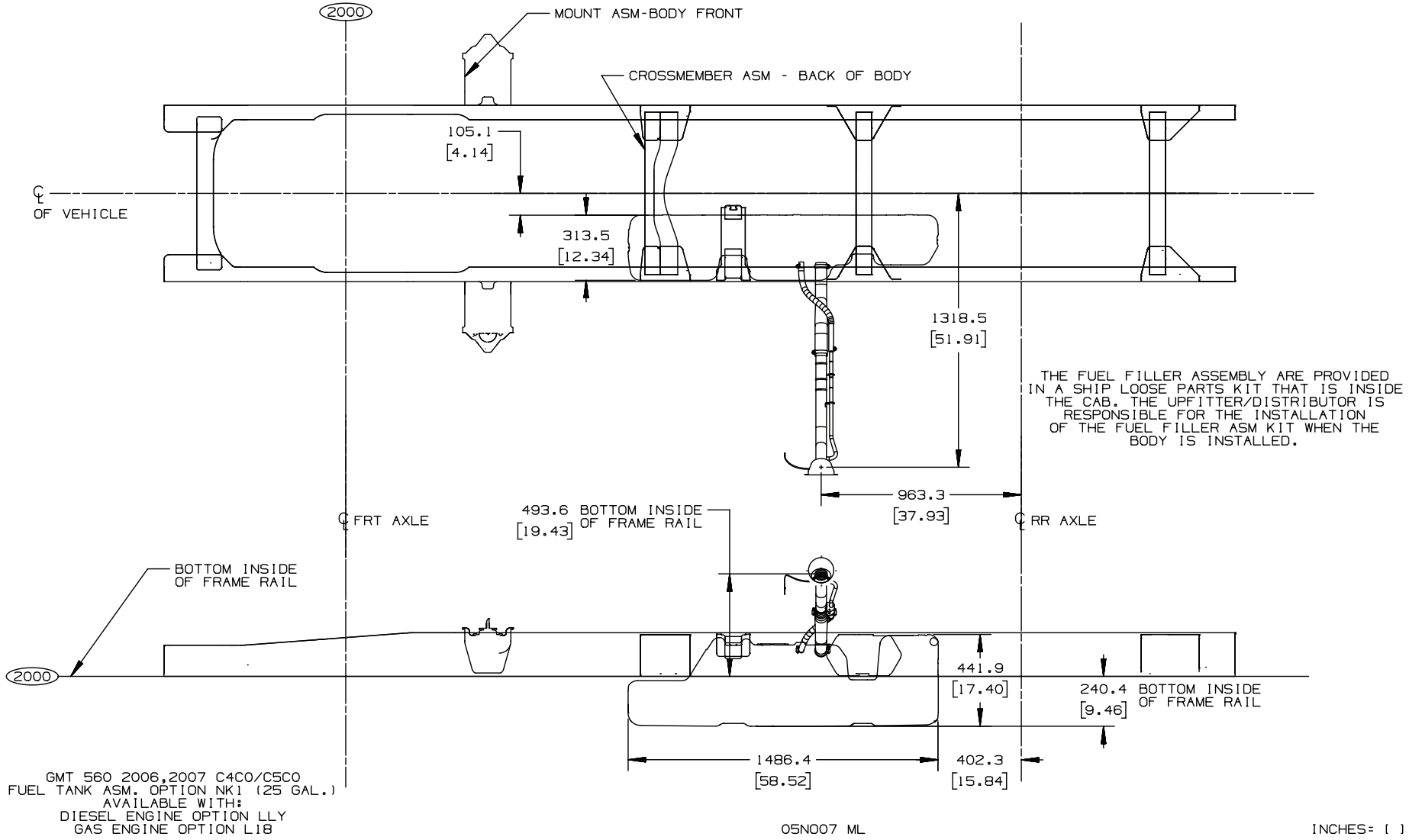
C4/5C044-C4/5E044 SINGLE AXLE CROSSMEMBER ARRANGEMENT CHART						
MODEL	W/B	DIM A	DIM B	DIM C (NJ2/N23)	DIM C (NN4)	DIM C (NLA)
C4C/C5C044	EG9 3860.8 [152.00]	_____	_____	5173.0 [203.66]	_____	4973.0 [195.79]
	FNW 4470.4 [176.00]	2854.0 [112.36]	_____	5783.0 [227.68]	_____	5583.0 [219.80]
	EK8 4775.2 [188.00]	2920.0 [114.96]	_____	6088.0 [239.69]	_____	5888.0 [231.81]
	EK8 4775.2 [188.00]	2920.0 [114.96]	_____	_____	6538.0 [257.40]	_____
	EK4 4927.6 [194.00]	3072.0 [120.94]	_____	6240.0 [245.67]	_____	6040.0 [237.80]
	EK4 4927.6 [194.00]	3072.0 [120.94]	_____	_____	6690.0 [263.39]	_____
C4E/C5E044	EK4 4927.6 [194.00]	3072.0 [120.94]	_____	6240.0 [245.67]	_____	6040.0 [237.80]
	ED7 5511.8 [217.00]	3403.0 [133.98]	_____	6824.0 [268.66]	_____	6624.0 [260.79]
	ED7 5511.8 [217.00]	3403.0 [133.98]	_____	_____	7274.0 [286.38]	_____
	EQ4 5816.6 [229.00]	2881.0 [113.43]	3708.0 [145.98]	7129.0 [280.67]	_____	6929.0 [272.8]
	EQ4 5816.6 [229.00]	2881.0 [113.43]	3708.0 [145.98]	_____	7579.0 [298.39]	_____
	FRP 5969.0 [235.00]	2881.0 [113.43]	3860.0 [151.97]	7281.0 [286.65]	_____	7081.0 [278.78]
	FRP 5969.0 [235.00]	2881.0 [113.43]	3860.0 [151.97]	_____	7731.0 [304.37]	_____

NJ2=FUEL TANK TEMPORARY
NLA=FUEL TANK 121L (32 GAL)
N23=FUEL TANK 151L (40 GAL)
NN4=FUEL TANK 227L (60 GAL)

GMT560, FRAME & CROSSMEMBER INSTALLATION EM/17MR04 [ ] = INCHES

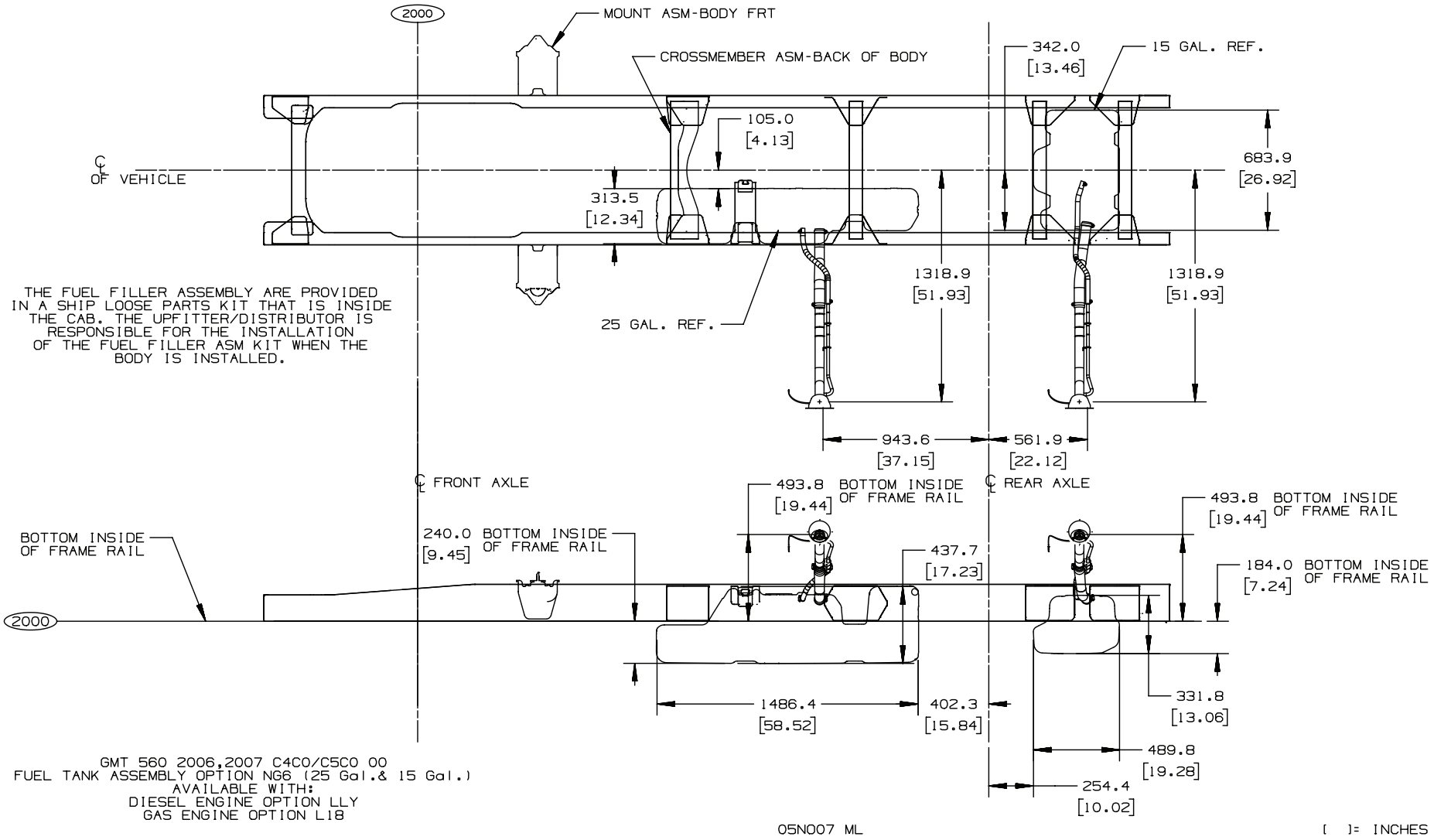
TD005864e

Fuel Tank 25 Gallon – Option NK1



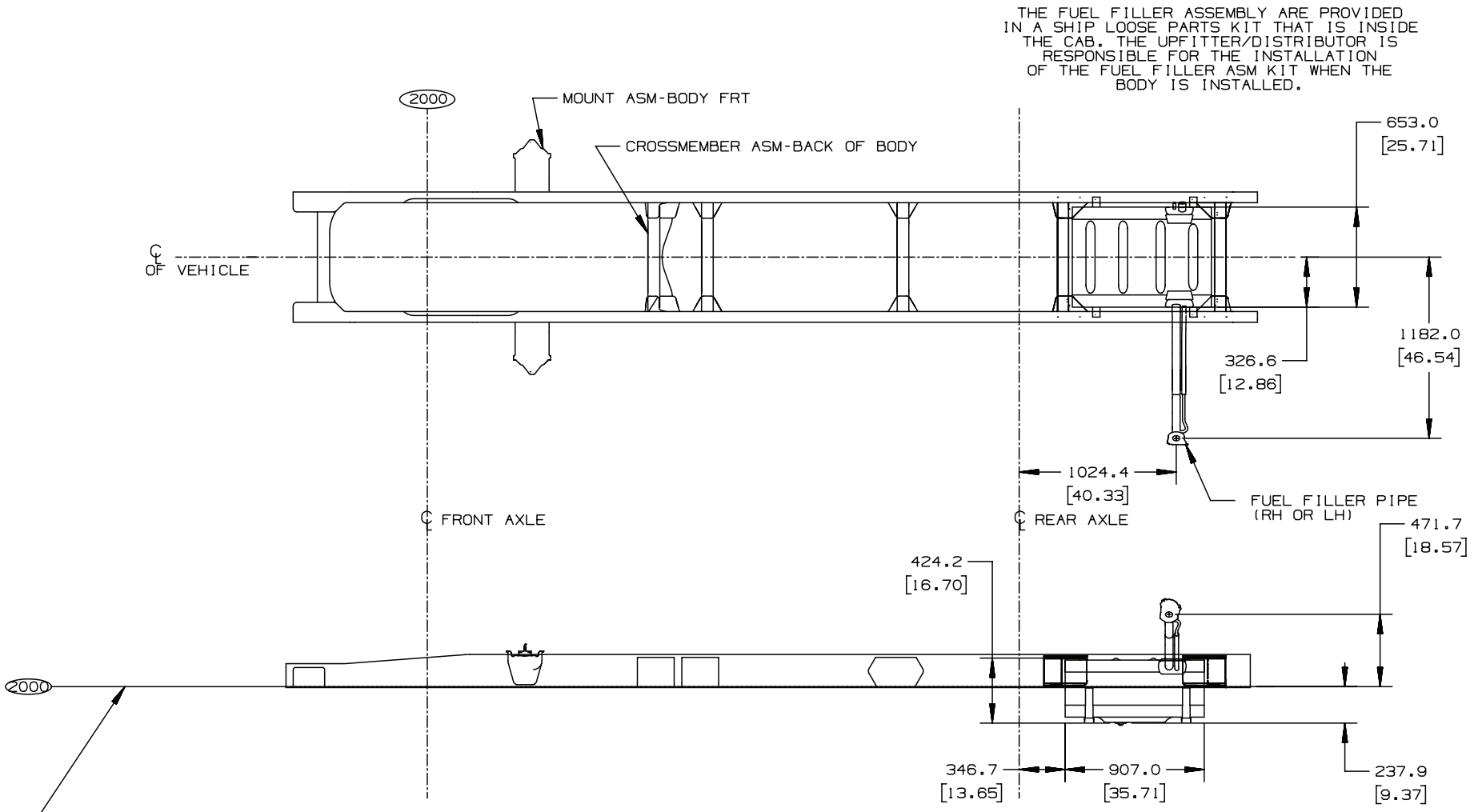
ANC54573.4

Fuel Tank 25 and 15 Gallon – Option NG6



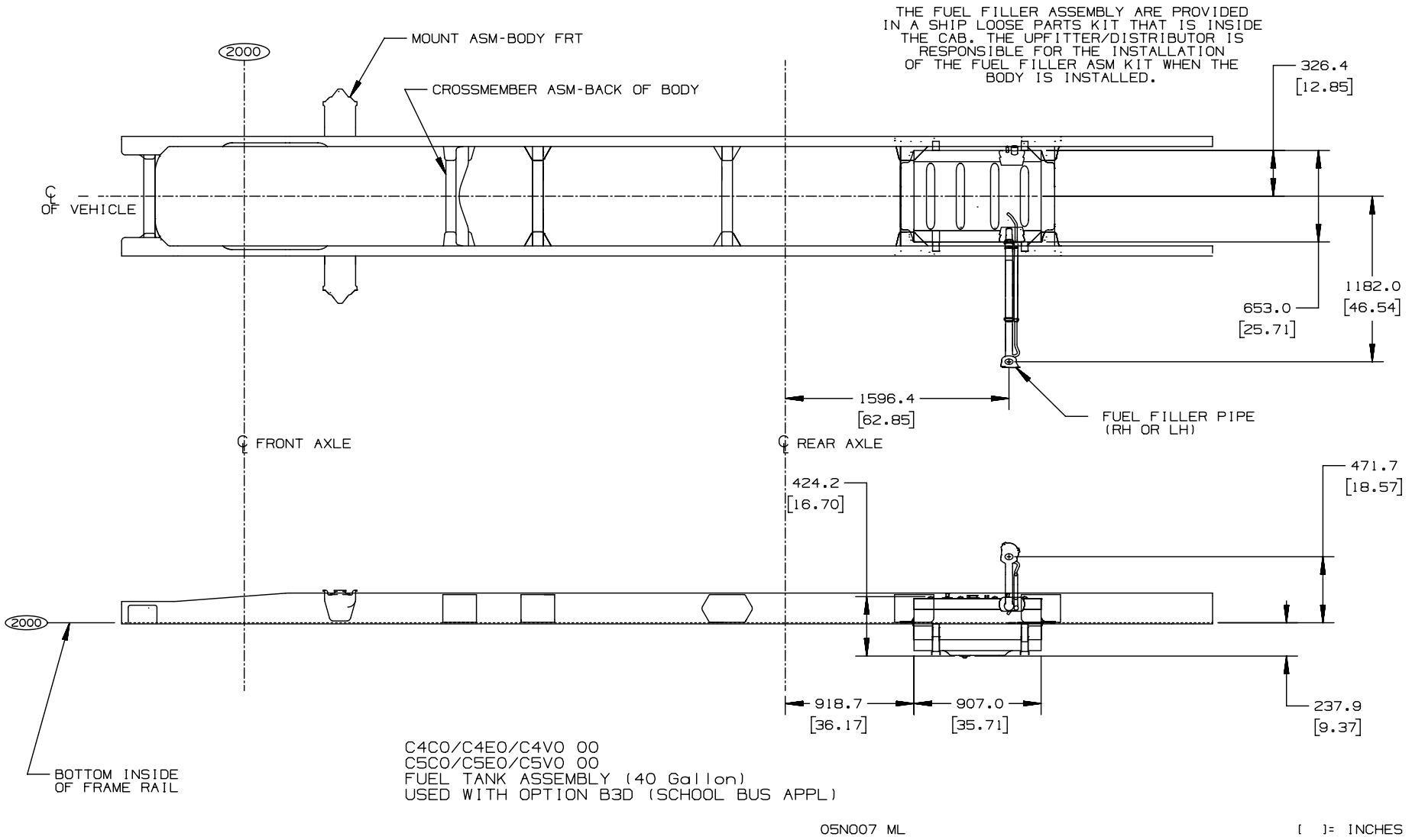
ANC54573.3

Fuel Tank 40 Gallon – Option N23/NH4/NLD



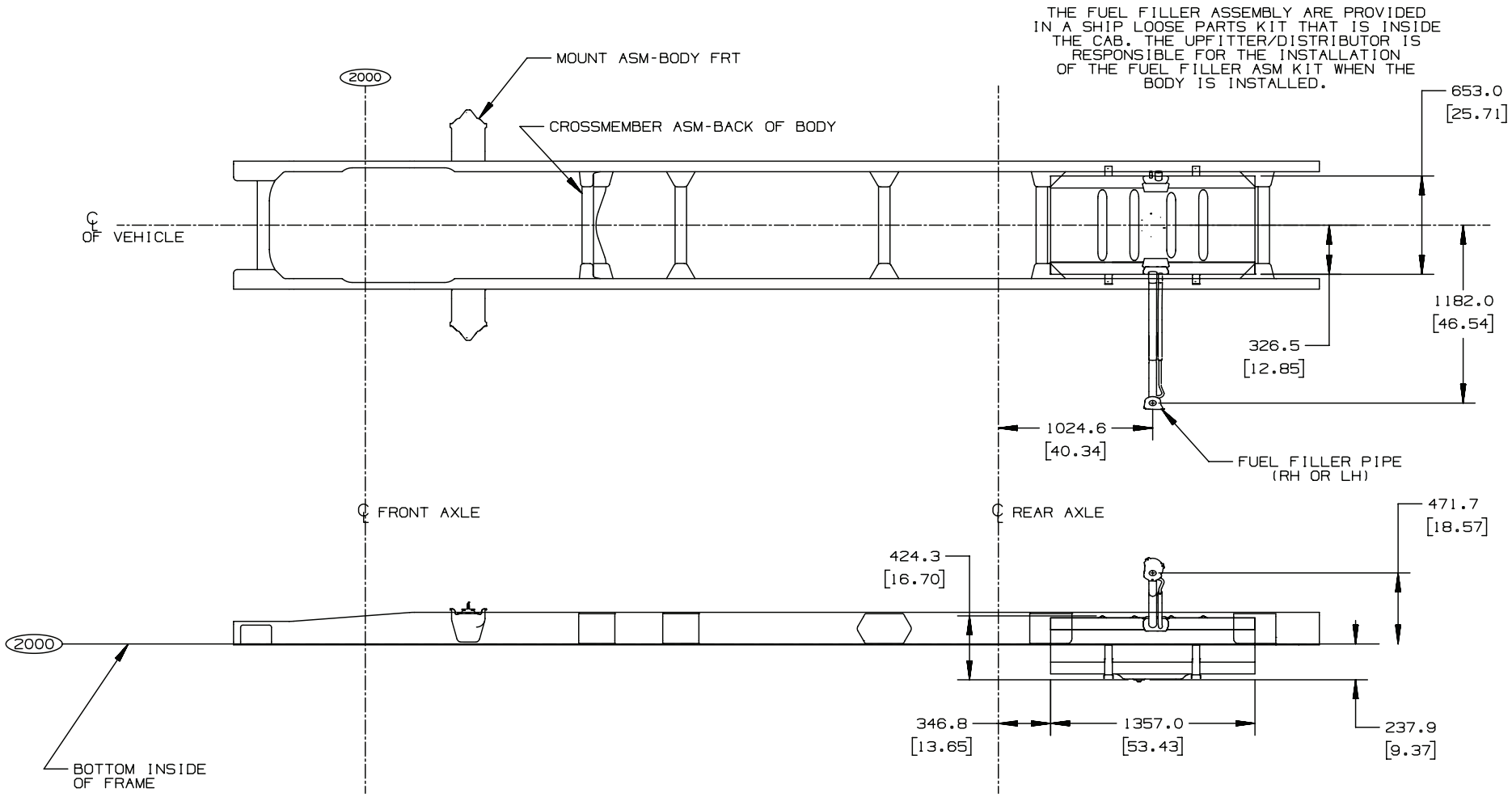
TD005829.3

Fuel Tank 40 Gallon – Option N23/NH4/NLD
(Used with Option B3D, School Bus Application)



TD005829.4

Fuel Tank 60 Gallon – Option NLE/NH5



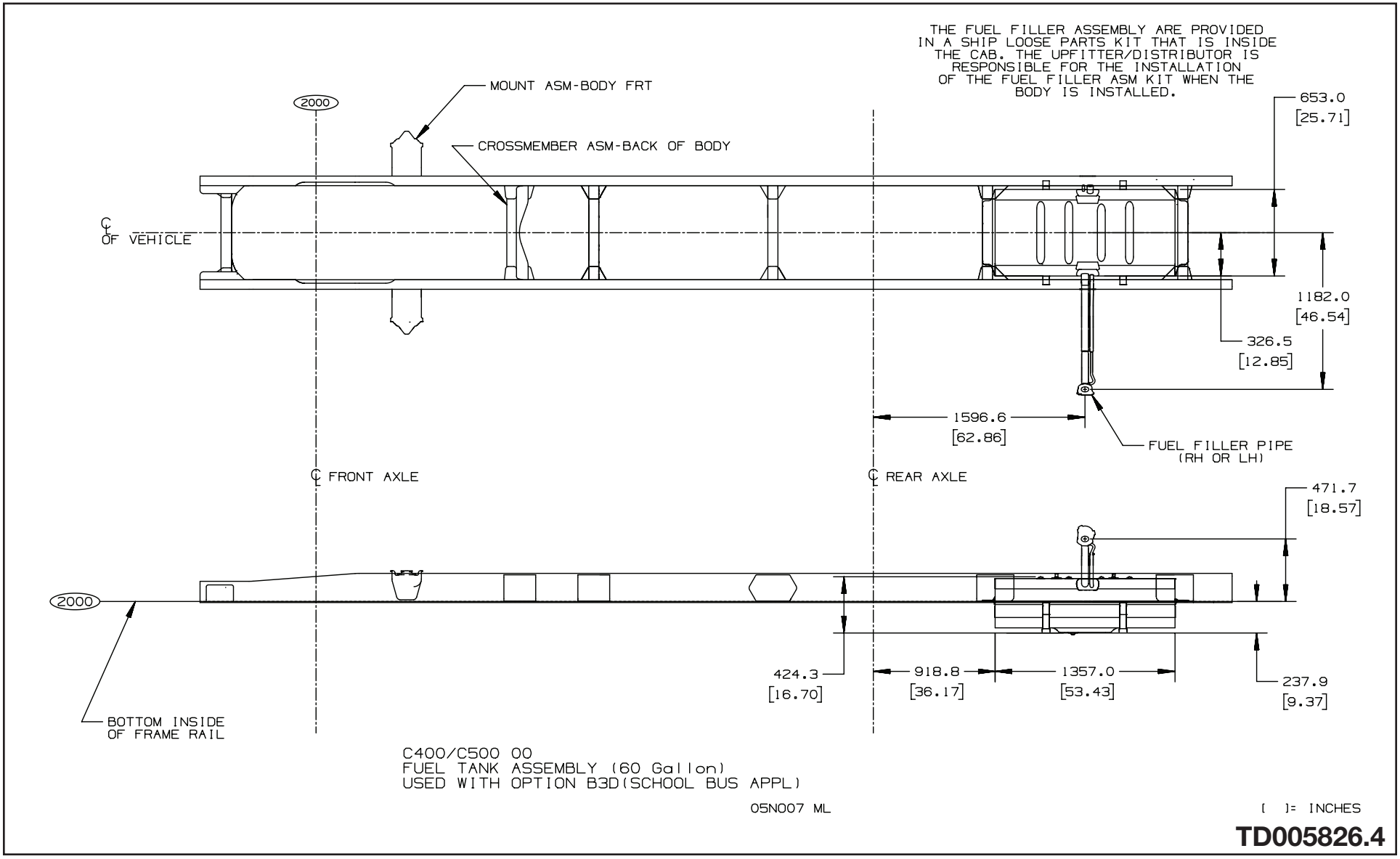
C400/C500 00
FUEL TANK ASSEMBLY (60 Gallon)

05N007 ML

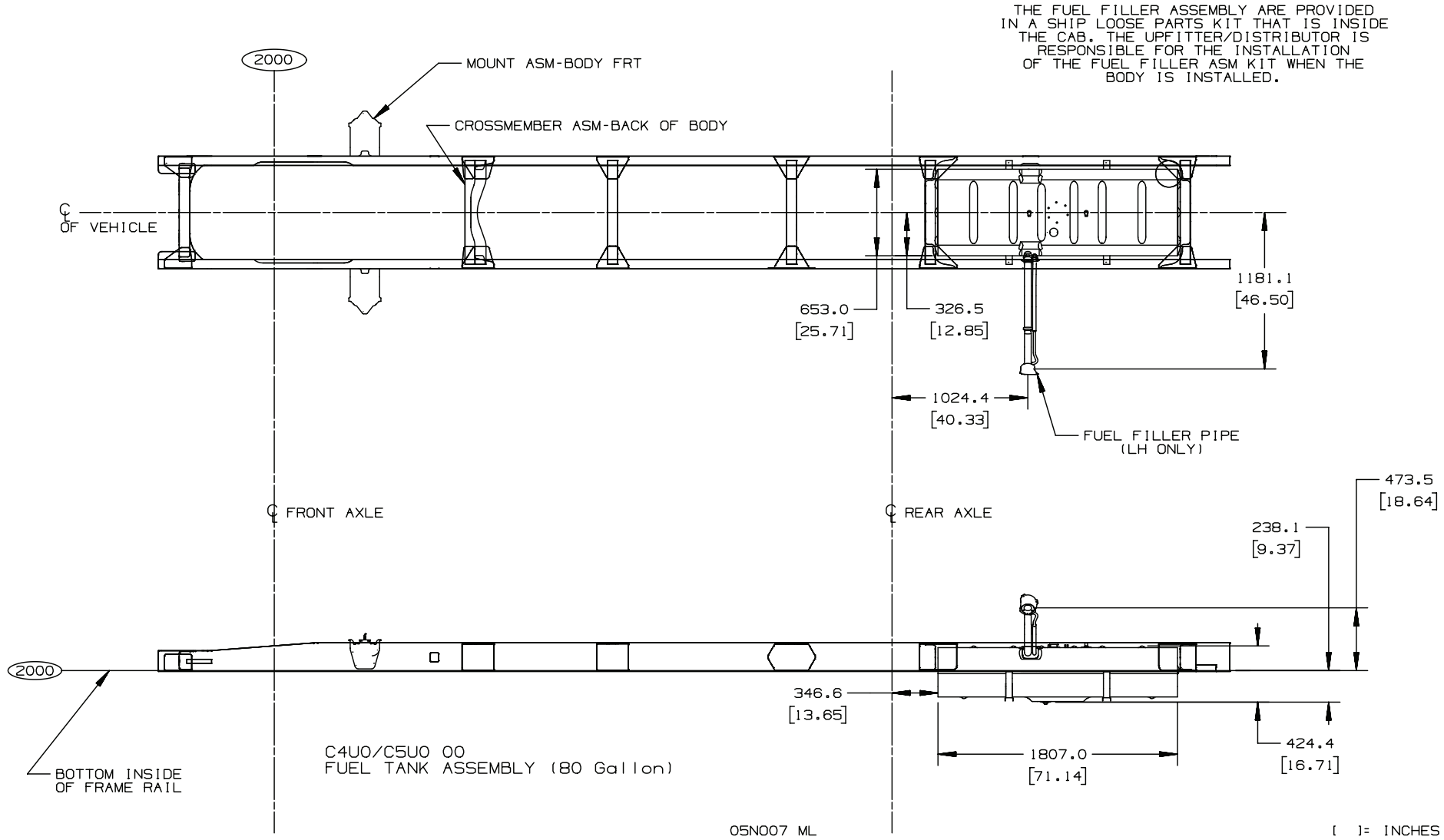
[ ]= INCHES

TD005826.3

Fuel Tank 60 Gallon – Option NLE/NH5
(Used with Option B3D, School Bus Application)

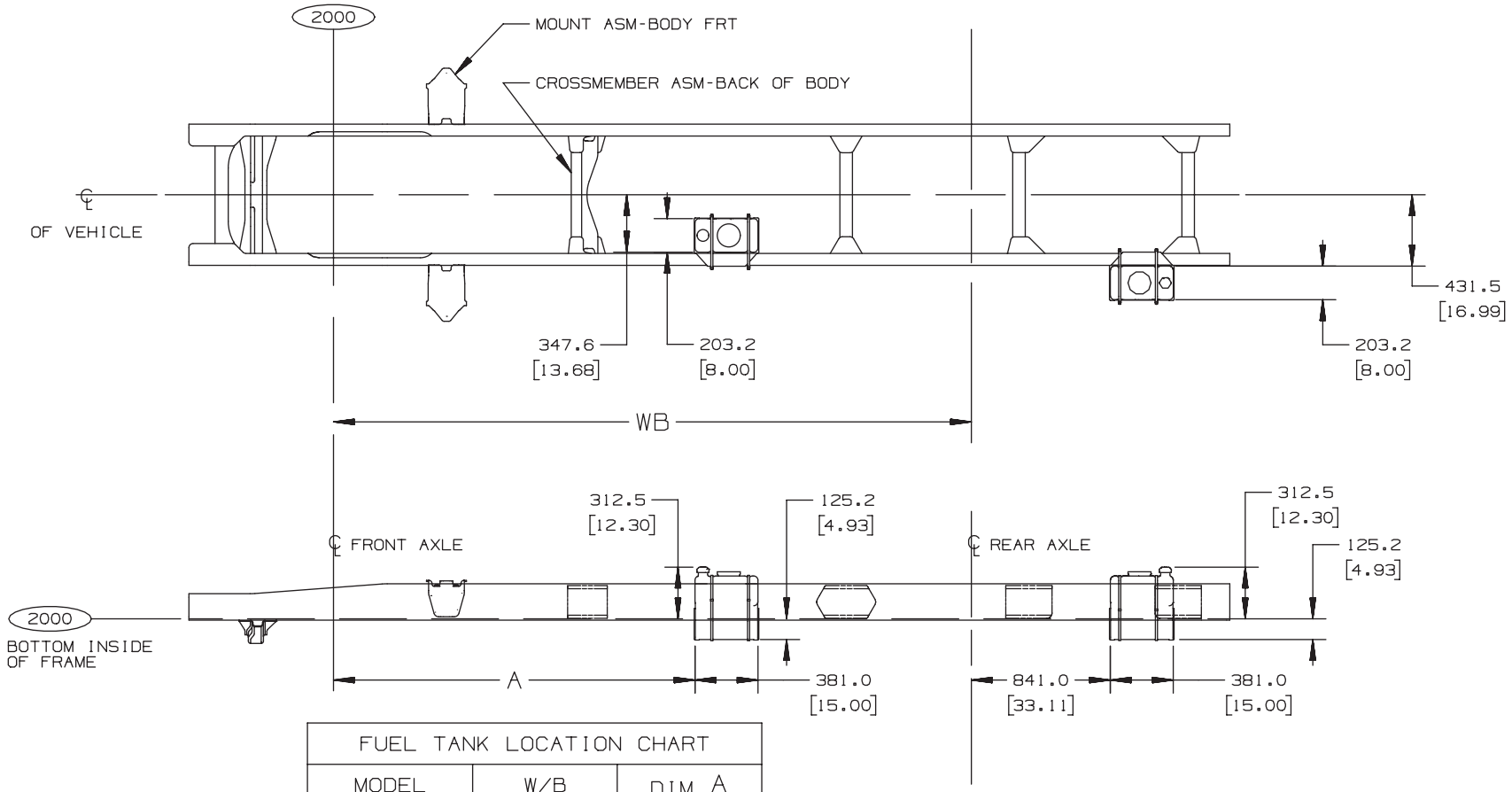


Fuel Tank 80 Gallon – Option NLF



TD005827.3

Temporary Fuel Tank 5 Gallon – Option NJ2



FUEL TANK LOCATION CHART		
MODEL	W/B	DIM A
C 4/5 C 42	EC9 3251.2 [128.00]	1651.0 [65.00]
C 4/5 C 42&44	EG9 3860.8 [152.00]	2189.8 [86.21]

ALL OTHER W/B, TANK IS RELATIVE TO REAR AXLE AS SHOWN

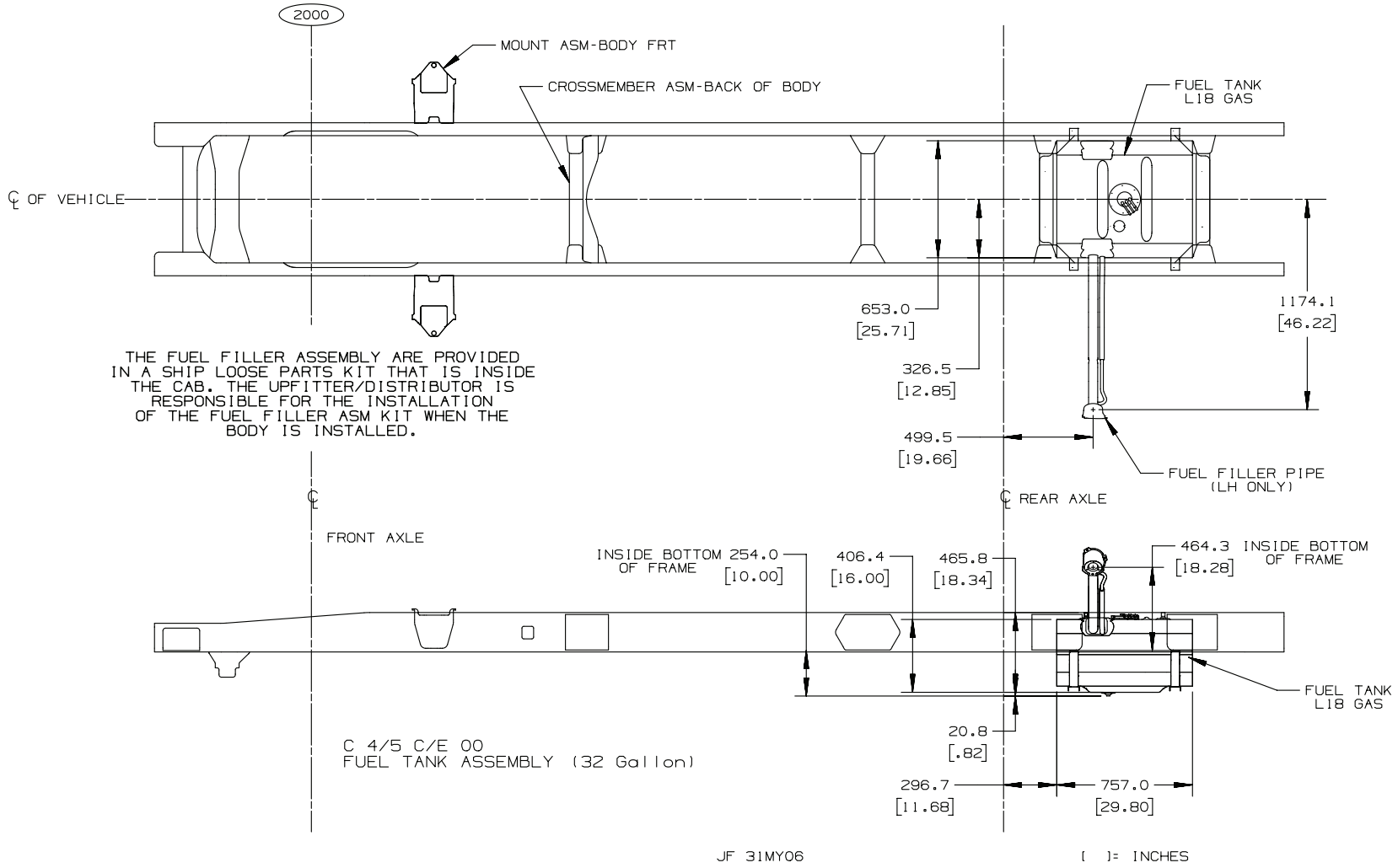
C4C0/C4E0/C4V0 00
C5C0/C5E0/C5V0 00
FUEL TANK ASSEMBLY OPTION NJ2
(5 Gallon TEMPORARY TANK)
AVAILABLE WITH: GAS ENGINE OPTION L18

EM/16MR04

[ ]= INCHES

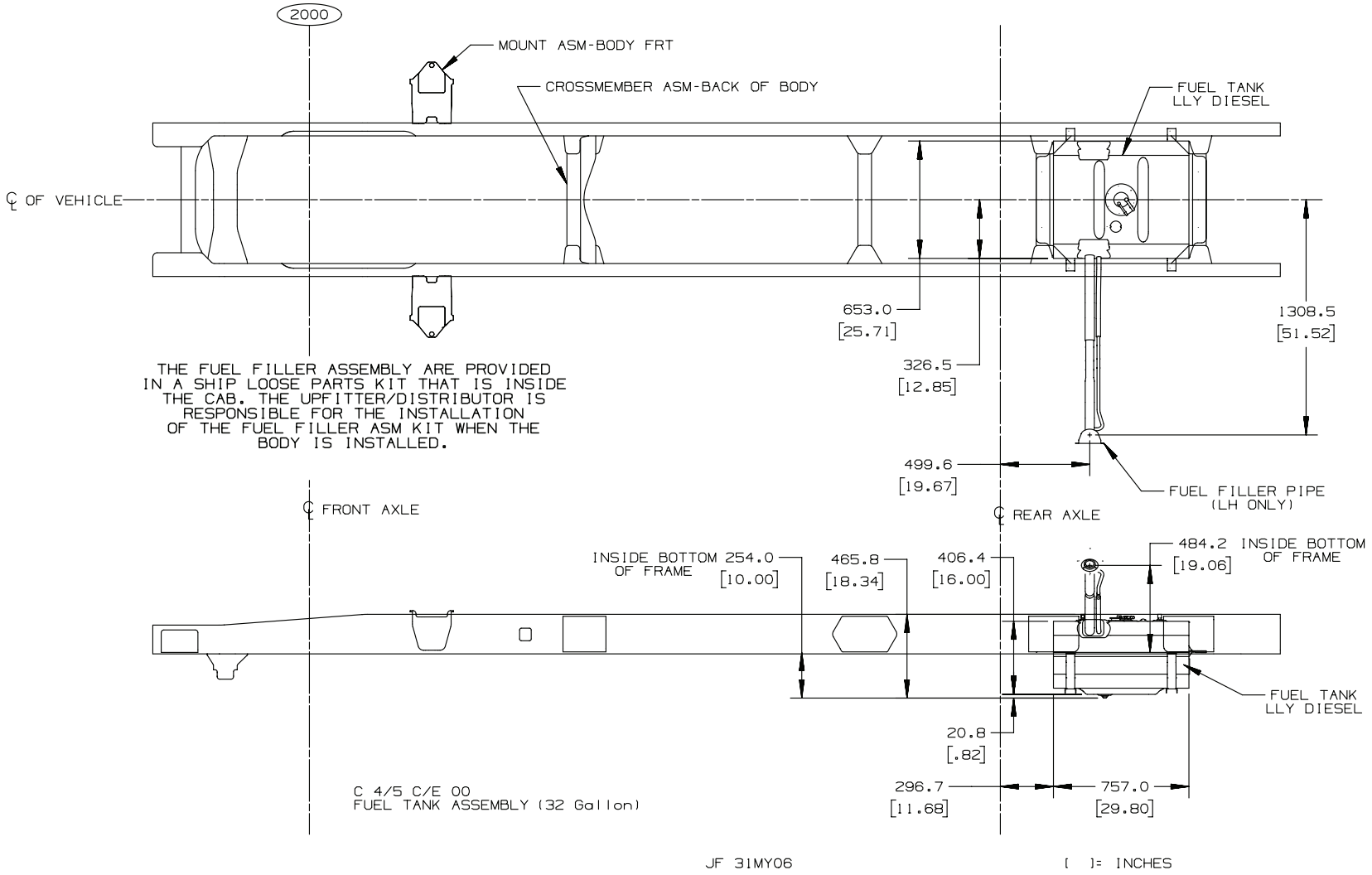
TD005828

Fuel Tank 32 Gallon – Option NLA/NLB with Gas



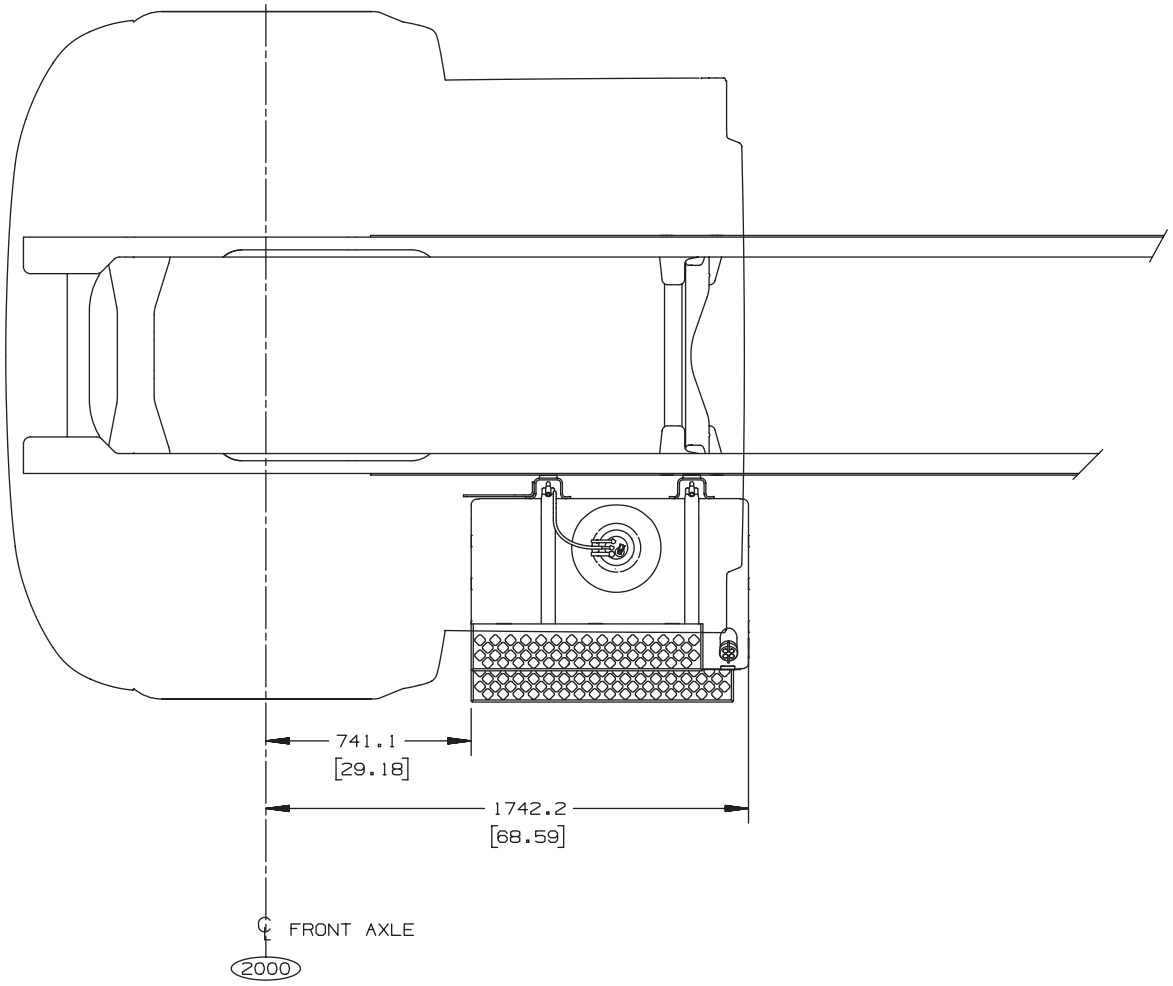
ANA04668.3

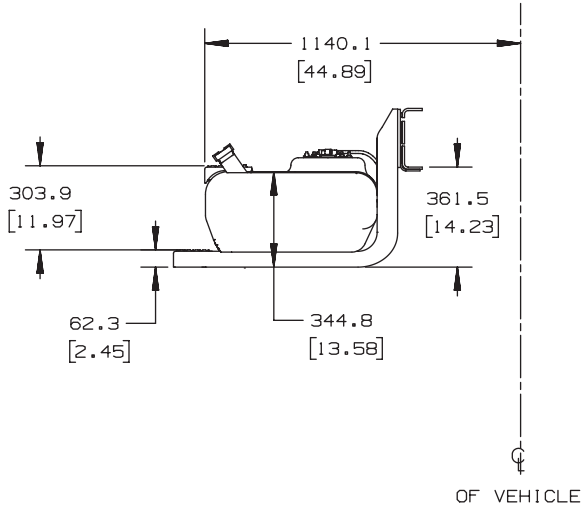
Fuel Tank 32 Gallon – Option NLA/NLB with Diesel



ANA04668.4

Fuel Tank, Single 35 Gallon – Option NPQ Available Only on Models (C4C/C5C) 044





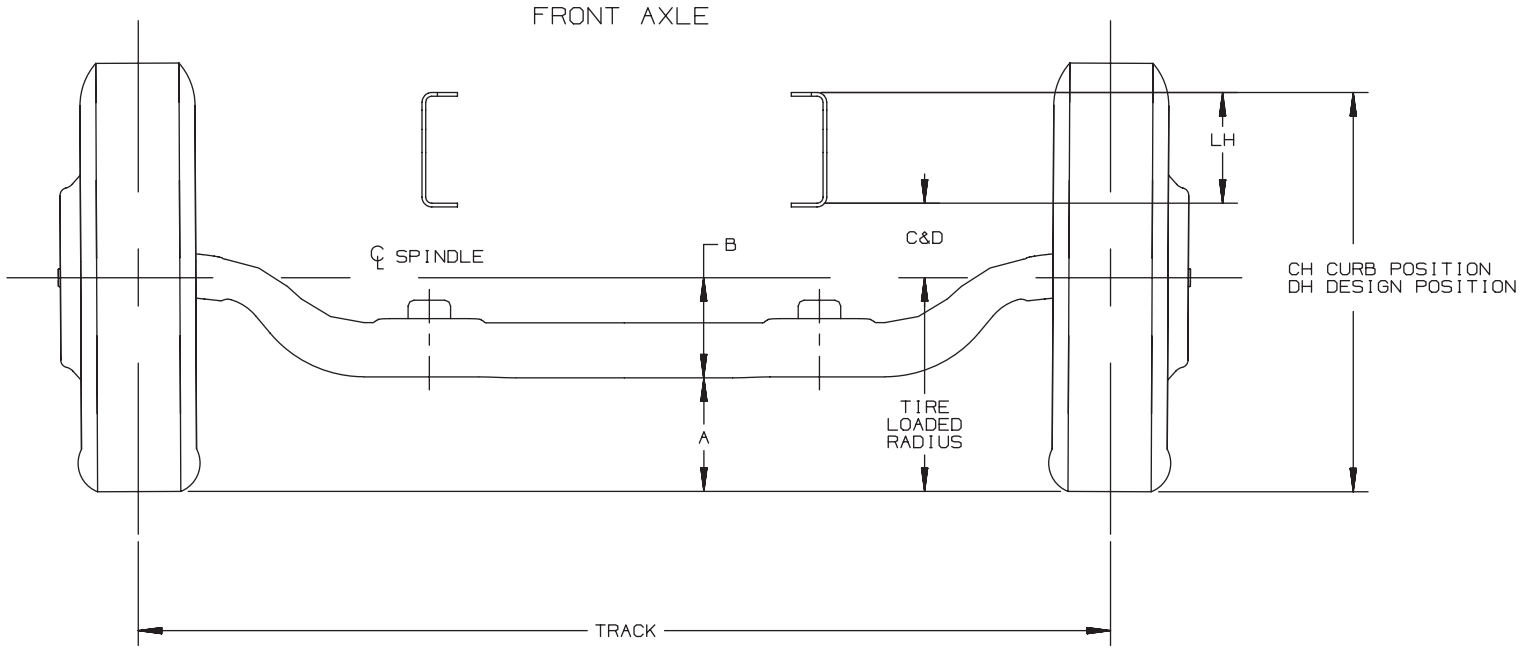
GMT560 C4C05C044

NPQ FUELTANK

[ ]=INCHES

ANC51909.3

Front Axle, I-Beam



LEDGEND:

A = TIRE LOADED RADUIS - B

B = CENTERLINE OF AXLE TO BOTTOM OF BEAM

C = CENTERLINE OF AXLE TO BOTTOM INSIDE OF RAIL AT CURB POSITION

D = CENTERLINE OF AXLE TO BOTTOM INSIDE OF RAIL AT DESIGN LOAD

CH = C + TIRE LOADED RADIUS + LH

DH = D + TIRE LOADED RADIUS + LH

LH = INSIDE BOTTOM OF FRAME TO TOP OF FRAME
SEE FRAME DRAWING TD005882

TRACK = WHEEL OFFSET AT SPINDLE
TRACK AT GROUND WILL VARY WITH CAMBER ANGLE AND TIRE/WHEEL COMBINATION

FOR: GMT 560, C4/5C,E,U,V042, C6/7/8C,E,V042, C8C,E,V064 2004 M.D/24JN03 [ ]= INCHES

TD005869a

Front Axle Track Width Chart

FRONT AXLE TRACK WIDTH						
				AXLE & BRAKE RPO		
				FR5	FM7	FM8
WHEEL TYPE	WHEEL RPO	WHEEL SIZE (IN INCHES)	WHEEL OFFSET	JE3 (HYD)	JE3	JE3
DISC	Q91	19.50 X 6.00	117.34 [4.62]	2052.3 [80.80]	2062.5 [81.20]	2146.9 [84.52]
DISC	Q82	19.50 X 6.75	142.2 [5.60]	2025.1 [79.73]	2033.1 [80.04]	2124.2 [83.63]
DISC	RPM	19.50 X 6.75	141.0 [5.55]	2047.3 [80.60]	2055.4 [80.92]	2146.4 [84.50]

FOR: GMT 560, C4/5C,E,U,V042, 2004

[ ]= INCHES

04JN04 NI

TD005869b

Front Axle / Suspension Chart

FRONT AXLE SUPENSION DIMENSIONS

SUSPENSION RPO	AXLE RPO	C4C042	C4E042	C4U042	C4V042	C5C042	C5E042	C5U042	C5V042	-B-	-C- BASE	-C- W/F59*	-D- BASE	-D- W/F59*
FK6 7,000 LB 3,175 KG TAPERED LEAF	FR5 6,250 LB 2,835 KG	✳			✳					177.5 [6.99]	—	195.5 [7.70]	—	150.2 [5.91]
	FM7 7,000 LB 3,175 KG	✳	✳	✳	✳	✳	✳	✳	✳	210.2 [8.28]	—	182.1 [7.17]	—	120.1 [4.73]
FSN 8,000 LB 3,629 KG TAPERED LEAF	FM8 8,000 LB 3,639 KG					✳	✳	✳	✳	210.2 [8.28]	—	207.1 [8.15]	—	136.6 [5.38]

*F59 = STABLIZER SHAFT FRONT

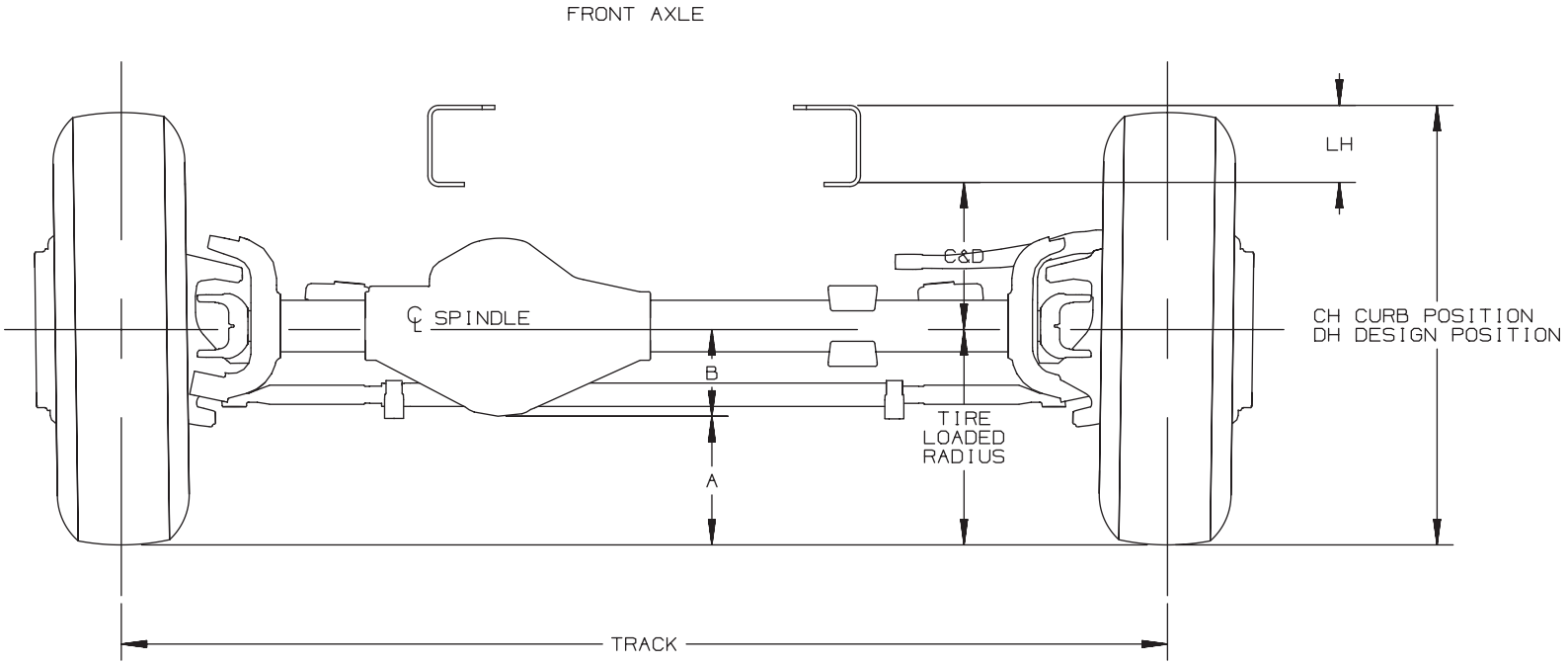
FOR: GMT 560, C4/5C,E,U,V042, 2004

[ ]= INCHES

04JN04 NI

TD005869c

Front Drive Axle



LEDGEND:

A = TIRE LOADED RADUIS - B

B = CENTERLINE OF AXLE TO BOTTOM OF BOWL

C = CENTERLINE OF AXLE TO BOTTOM INSIDE OF RAIL AT CURB POSITION

D = CENTERLINE OF AXLE TO BOTTOM INSIDE OF RAIL AT DESIGN LOAD

CH = C + TIRE LOADED RADIUS + LH

DH = D + TIRE LOADED RADIUS + LH

LH = INSIDE BOTTOM OF FRAME TO TOP OF FRAME
SEE FRAME DRAWING TD005882

TRACK = WHEEL OFFSET AT SPINDLE
TRACK AT GROUND WILL VARY WITH CAMBER ANGLE AND TIRE/WHEEL COMBINATION

FOR: GMT 560, C4/5C,E044 2005 J.F/23FE04 [ ]= INCHES

TD005869f

Front Drive Axle Track Width / Suspension Chart

FRONT AXLE TRACK WIDTH						
WHEEL TYPE	WHEEL RPO	WHEEL SIZE [IN INCHES]	WHEEL OFFSET	AXLE RPO	BRAKE RPO	TRACK WIDTH
STEEL	Q82	19.5 X 6.75	143.8 [5.66]	G38	JE3	2036.9 [80.19]
ALUMINUM	RPM		141.0 [5.55]			2041.5 [80.37]
STEEL	QZ3	22.5 X 7.5	157.5 [6.20]	G38	JE3	2008.5 [79.07]
ALUMINUM	QZ1		163.8 [6.45]			1995.9 [78.57]

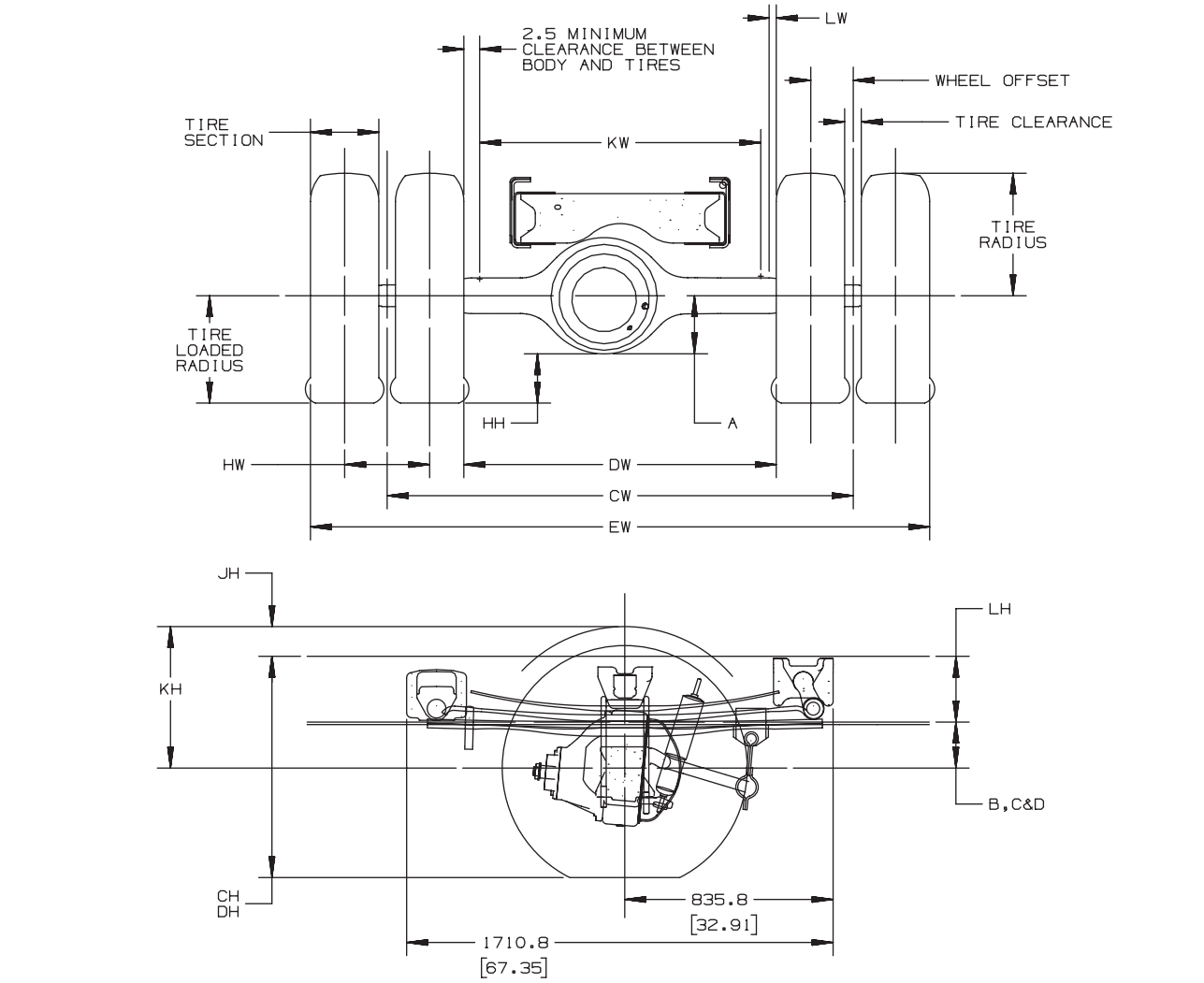
FRONT AXLE SUPENSION DIMENSIONS						
SUSPENSION RPO	AXLE RPO	-B-	-C- BASE	-C- W/*F59	-D- BASE	-D- W/*F59
FSN 8,000 LB 3,175 KG TAPERED LEAF	G38 8,000 LB 3,175 KG	174.2 [6.86]	—	327.1 [12.88]	—	287.2 [11.31]

*F59 = STABLIZER SHAFT FRONT

FOR: GMT 560, C4/C5,C,E044 2006 JF 02JN06 [ ]= INCHES

TD005869.10

Rear Axle (042)



FOR: GMT560 C SERIES WITH SINGLE REAR AXLE

MD/060C03

[ ] = INCHES

TD005870a

Rear Axle Chart Formula (042)

DEFINITIONS:

A - CENTERLINE OF AXLE TO BOTTOM OF AXLE BOWL

B - CENTERLINE OF AXLE TO BOTTOM INSIDE RAIL AT INFINATE BUMP

C - CENTERLINE OF AXLE TO BOTTOM INSIDE RAIL AT CURB POSITION

D - CENTERLINE OF AXLE TO BOTTOM INSIDE RAIL AT DESIGN LOAD

CH - REAR FRAME HEIGHT
DISTANCE BETWEEN THE TOP OUTSIDE RAIL AND THE GROUND-LINE THROUGH THE VERTICAL CENTERLINE OF THE REAR AXLE AT CURB POSITION

DH - REAR FRAME HEIGHT DISTANCE BETWEEN THE TOP OUTSIDE RAIL AND THE GROUND-LINE THROUGH THE VERTICAL CENTERLINE OF THE REAR AXLE AT DESIGN POSITION

HH - REAR AXLE CLEARANCE
MINIMUM CLEARANCE BETWEEN THE REAR AXLE AND THE GROUND-LINE

JH - REAR TIRE CLEARANCE
MINIMUM CLEARANCE REQUIRED FOR TIRES AND CHAINS MEASURED FROM THE TOP OF THE FRAME AT THE VERTICAL CENTERLINE OF THE REAR AXLE

KH - CHAIN CLEARANCE

LH - DISTANCE FROM THE BOTTOM INSIDE RAIL TO THE TOP OF THE RAIL

CW - TRACK DUAL WHEEL VEHICLES
DISTANCE BETWEEN THE CENTERLINES OF THE DUAL WHEELS AS MEASURED AT THE GROUND-LINE

DW - MINIMUM DISTANCE BETWEEN THE INNER SURFACES OF THE REAR TIRES

EW - MAXIMUM REAR WIDTH
OVER-ALL WIDTH OF VEHICLE MEASURED AT THE OUTER MOST SURFACE OF THE REAR TIRES

HW - DUAL TIRE SPACING
DISTANCE BETWEEN THE CENTERLINES OF THE TIRES IN A SET OF DUAL TIRES

KW - REAR BODY WIDTH
MAXIMUM BODY WIDTH BETWEEN REAR TIRES

SEE TIRE CHART FOR VALUES: TIRE SELECTION, TIRE RADIUS
TIRE LOADED RADIUS AND TIRE CLEARANCE

FORMULAS FOR CALCULATING REAR WIDTH AND HEIGHT DIMENSIONS:

CH = TIRE LOADED RADIUS + C + LH
DH = TIRE LOADED RADIUS + D + LH
HH = TIRE LOADED RADIUS - A
JH = KH - B - LH
KH = TIRE RADIUS + 3.00 INCHES
CW = TRACK
DW = TRACK - 1 TIRE SECTION - HW
EW = TRACK + 1 TIRES SECTION + 2 WHEEL OFFSETS
KW = DW - 5.00 INCHES
LW = 1.00 INCHES MINIMUM CLEARANCE BETWEEN TIRES AND SPRINGS

NOTE: TRACK AND OVERALL WIDTH MAY VARY WITH OPTIONAL EQUIPMENT

MD/060C03

TD005870b

Rear Axle Suspension and Track Chart (042)

REAR AXLE SUSPENSION DIMENSIONS - SINGLE AXLE

SUSPENSION RPO	REAR AXLE RPO	VEHICLE MODELS C4C042	C4E042	C4V042	C4U042	C5C042	C5E042	C5V042	C5U042	-A-	-B- BASE	-B- W/G60	-C- BASE	-C- W/G60	-D- BASE	-D- W/G60
GR2 11,000 LB TAPERED LEAF	GL4 11,000 LB	*	*	*	*					176.44 [6.97]	80.2 [3.16]	N/A	223.2 [8.79]	N/A	158.3 [6.23]	N/A
GR3 11,000 LB MULTILEAF		*	*	*	*						88.1 [3.47]	N/A	223.8 [8.81]	N/A	153.5 [6.04]	N/A
GR4 13,500 LB MULTILEAF		*									86.0 [3.38]	N/A	182.5 [7.18]	N/A	140.5 [5.53]	N/A
GQ2 15,000 LB		*	*	*	*						103.7 [4.08]	N/A	261.3 [10.29]	N/A	198.7 [7.82]	N/A
GR4 13,500 LB MULTILEAF	HD2 13,500 LB DANA S110	*	*	*	*	*	*	*		182.34 [7.18]	102.9 [4.05]	N/A	219.1 [8.63]	N/A	162.8 [6.41]	N/A
GXA 13,500 LB TAPERED LEAF		*	*	*	*	*	*	*	*		79.2 [3.11]	N/A	234.1 [9.22]	N/A	163.3 [6.43]	N/A
GQ2 15,000 LB		*	*			*	*	*	*		103.7 [4.08]	N/A	261.3 [10.29]	N/A	189.3 [7.45]	N/A
GG0 15,000 LB MULTILEAF	HD1 15,000 LB DANA S130 SINGLE SPEED					*	*	*	*	182.34 [7.18]	86.6 [3.40]	N/A	258.4 [10.17]	N/A	184.3 [7.25]	N/A
GQ0 15,000 LB TAPERED LEAF						*	*	*	*		71.6 [2.82]	N/A	276.8 [10.90]	N/A	168.0 [6.61]	N/A
GQ2 15,000 LB						*	*	*	*		103.7 [4.08]	N/A	261.3 [10.29]	N/A	182.7 [7.19]	N/A
GSK 12,000 LB TAPERED LEAF						*	*	*	*		102.4 [4.03]	N/A	221.4 [8.71]	N/A	132.2 [5.20]	N/A

FOR: GMT560 C SERIES WITH SINGLE REAR AXLE

[ ] = INCHES

TD005870.5

Rear Axle Suspension and Track Chart (042)

REAR AXLE SUSPENSION DIMENSIONS - SINGLE AXLE

SUSPENSION RPO	REAR AXLE RPO	VEHICLE MODELS: C4C042	C4E042	C4V042	C4U042	C5C042	C5E042	C5V042	C5U042	-A-	-B- BASE	-B- W/G60	-C- BASE	-C- W/G60	-D- BASE	-D- W/G60
GG9 17,000 LB TAPERED LEAF	HPK 19,000 LB EATON 19060S SINGLE SPEED					*	*		*	229.6 [9.04]	79.7 [3.14]	N/A	288.0 [11.34]	N/A	179.9 [7.08]	N/A
GN0 19,000 LB MULTILEAF						*	*	*	*		81.1 [3.19]	N/A	297.8 [15.66]	N/A	224.7 [8.85]	N/A
GN2 19,000 LB TAPERED LEAF						*	*	*	*		77.0 [3.03]	N/A	288.8 [11.37]	N/A	178.4 [7.02]	N/A
GN3 17,000 LB MULTILEAF						*	*		*		80.6 [3.17]	N/A	294.2 [11.58]	N/A	220.7 [8.69]	N/A

REAR AXLE TRACK DIMENSIONS - SINGLE AXLE

ENGINEERING MODEL	BRAKE	AXLE RPO	TRACK
C 4C/4E/4U/4V 042	JE3	GL4 11,000 LB	1854.2 [73.0]
C 5C/5E/5U/5V 042		HD2 13,500 LB DANA S110	1846.2 [72.6]
		HD1 15,000 LB DANA S130 SINGLE SPEED	1854.6 [73.02]
		HPK 19,000 LB EATON 19060S SINGLE SPEED	1905.5 [75.02]

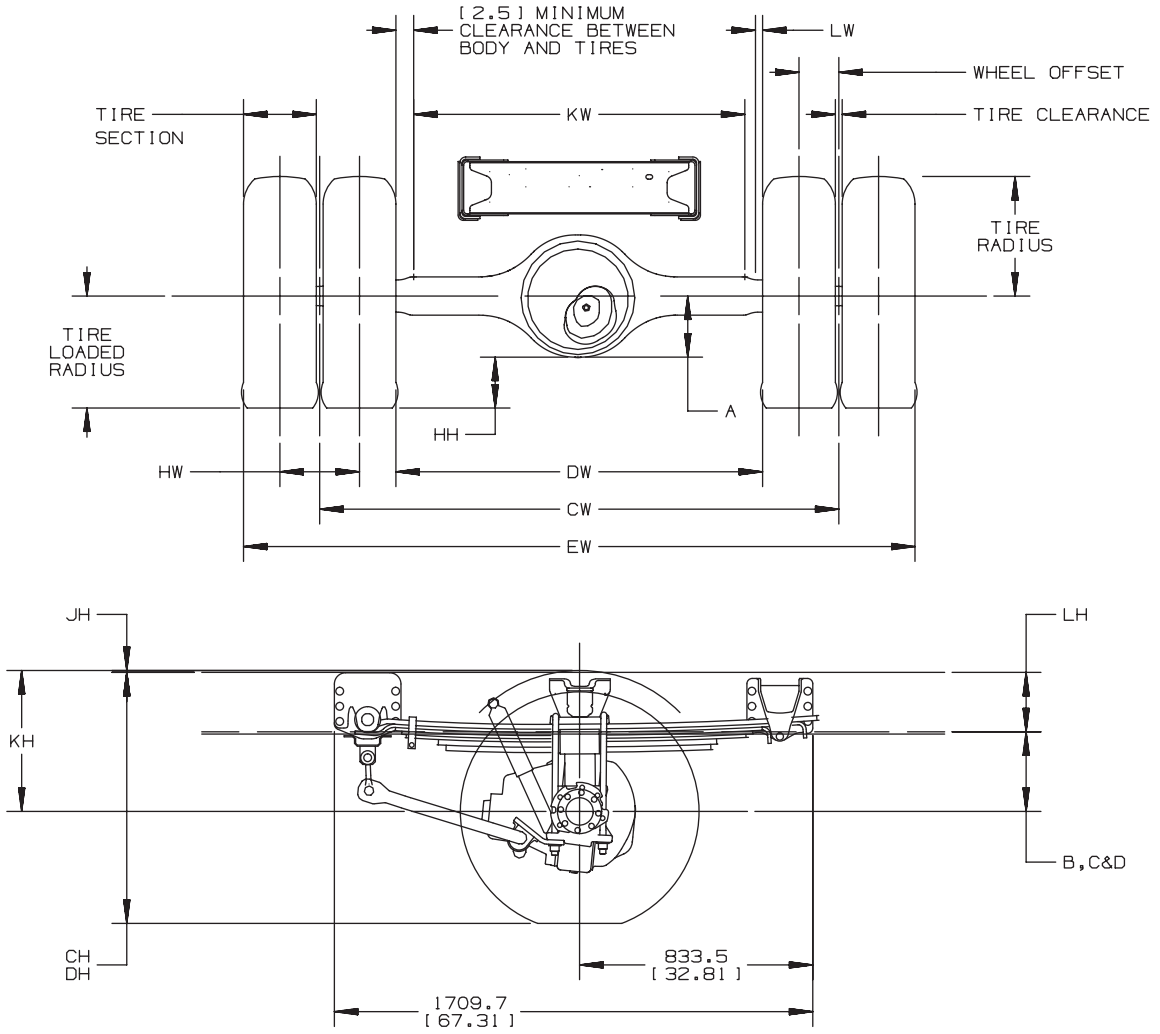
FOR: GMT560 C ,FAM2,SERIES WITH SINGLE REAR AXLE

JF 23/JAN/08

[ ] = INCHES

TD005870.6

Rear Axle (044)



FOR: GMT560 C FAM2 4X4 SERIES WITH SINGLE REAR AXLE EM/15MR04 [ ] = INCHES

TD005870p

Rear Axle Chart Formula (044)

DEFINITIONS:

A - CENTERLINE OF AXLE TO BOTTOM OF AXLE BOWL

B - CENTERLINE OF AXLE TO BOTTOM INSIDE RAIL AT INFINATE BUMP

C - CENTERLINE OF AXLE TO BOTTOM INSIDE RAIL AT CURB POSITION

D - CENTERLINE OF AXLE TO BOTTOM INSIDE RAIL AT DESIGN LOAD

CH - REAR FRAME HEIGHT
DISTANCE BETWEEN THE TOP OUTSIDE RAIL AND THE GROUND-LINE THROUGH THE VERTICAL CENTERLINE OF THE REAR AXLE AT CURB POSITION

DH - REAR FRAME HEIGHT DISTANCE BETWEEN THE TOP OUTSIDE RAIL AND THE GROUND-LINE THROUGH THE VERTICAL CENTERLINE OF THE REAR AXLE AT DESIGN POSITION

HH - REAR AXLE CLEARANCE
MINIMUM CLEARANCE BETWEEN THE REAR AXLE AND THE GROUND-LINE

JH - REAR TIRE CLEARANCE
MINIMUM CLEARANCE REQUIRED FOR TIRES AND CHAINS MEASURED FROM THE TOP OF THE FRAME AT THE VERTICAL CENTERLINE OF THE REAR AXLE

KH - CHAIN CLEARANCE

LH - DISTANCE FROM THE BOTTOM INSIDE RAIL TO THE TOP OF THE RAIL

CW - TRACK DUAL WHEEL VEHICLES
DISTANCE BETWEEN THE CENTERLINES OF THE DUAL WHEELS AS MEASURED AT THE GROUND-LINE

DW - MINIMUM DISTANCE BETWEEN THE INNER SURFACES OF THE REAR TIRES

EW - MAXIMUM REAR WIDTH
OVER-ALL WIDTH OF VEHICLE MEASURED AT THE OUTER MOST SURFACE OF THE REAR TIRES

HW - DUAL TIRE SPACING
DISTANCE BETWEEN THE CENTERLINES OF THE TIRES IN A SET OF DUAL TIRES

KW - REAR BODY WIDTH
MAXIMUM BODY WIDTH BETWEEN REAR TIRES

SEE TIRE CHART FOR VALUES: TIRE SELECTION, TIRE RADIUS
TIRE LOADED RADIUS AND TIRE CLEARANCE

FORMULAS FOR CALCULATING REAR WIDTH AND HEIGHT DIMENSIONS:

CH = TIRE LOADED RADIUS + C + LH
DH = TIRE LOADED RADIUS + D + LH
HH = TIRE LOADED RADIUS - A
JH = KH - B - LH
KH = TIRE RADIUS + 3.00 INCHES
CW = TRACK
DW = TRACK - 1 TIRE SECTION - HW
EW = TRACK + 1 TIRES SECTION + 2 WHEEL OFFSETS
KW = DW - 5.00 INCHES
LW = 1.00 INCHES MINIMUM CLEARANCE BETWEEN TIRES AND SPRINGS

NOTE: TRACK AND OVERALL WIDTH MAY VARY WITH OPTIONAL EQUIPMENT

EM/15MR04

TD005870q

Rear Axle Suspension and Track Chart (044)

REAR AXLE SUSPENSION DIMENSIONS - SINGLE AXLE

SUSPENSION RPO	REAR AXLE RPO	VEHICLE MODELS C4C044	C4E044	C5C044	C5E044	-A-	-B-	-C-	-D-
GR4 13,500 LB MULTILEAF	HD2 13,500 LB DANA S110	*	*			182.34 [7.18]	218.9 [8.61]	339.1 [13.35]	282.8 [11.13]
GQ2 15,000 LB				*	*		292.0 [11.49]	319.4 [12.57]	276.0 [10.86]

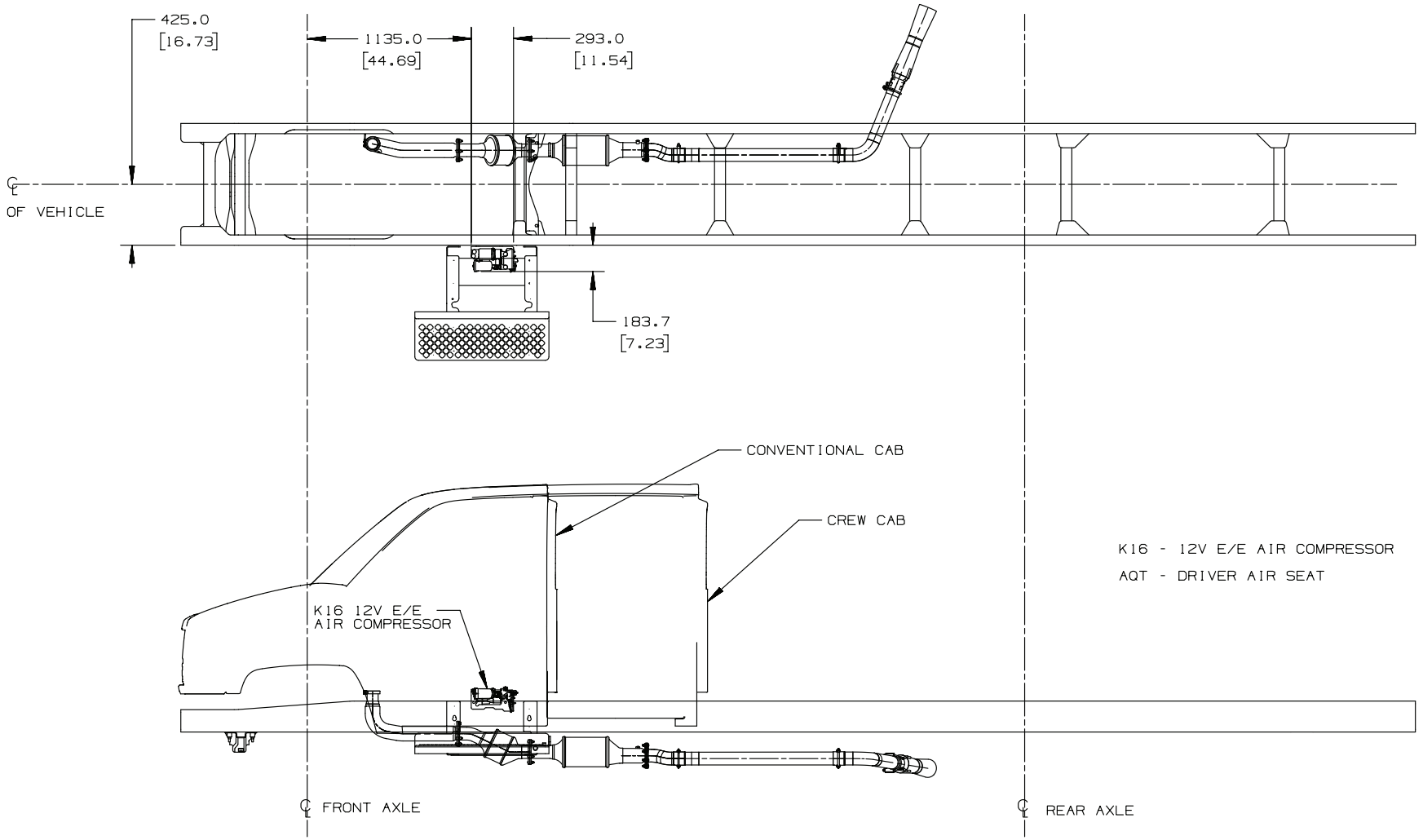
REAR AXLE TRACK DIMENSIONS - SINGLE AXLE

WHEEL TYPE	WHEEL RPO	WHEEL SIZE [IN INCHES]	WHEEL OFFSET	BRAKE	AXLE RPO	TRACK
STEEL	Q83	19.5 X 6.75	145.8 [5.66]	J69	HD2 13,500 LB DANA S110	1855.0 [73.00]
ALUM	RPW		141.0 [5.55]			1874.8 [73.80]
STEEL	QZ4	22.5 X 7.5	157.5 [6.20]	J69	HD2 13,500 LB DANA S110	1855.0 [73.00]
ALUM	QZ2		163.8 [6.45]			1874.8 [73.80]

FOR: GMT560 C FAM2 4X4 SERIES WITH SINGLE REAR AXLE JF 02/JN/06 [ ] = INCHES

TD005870.20

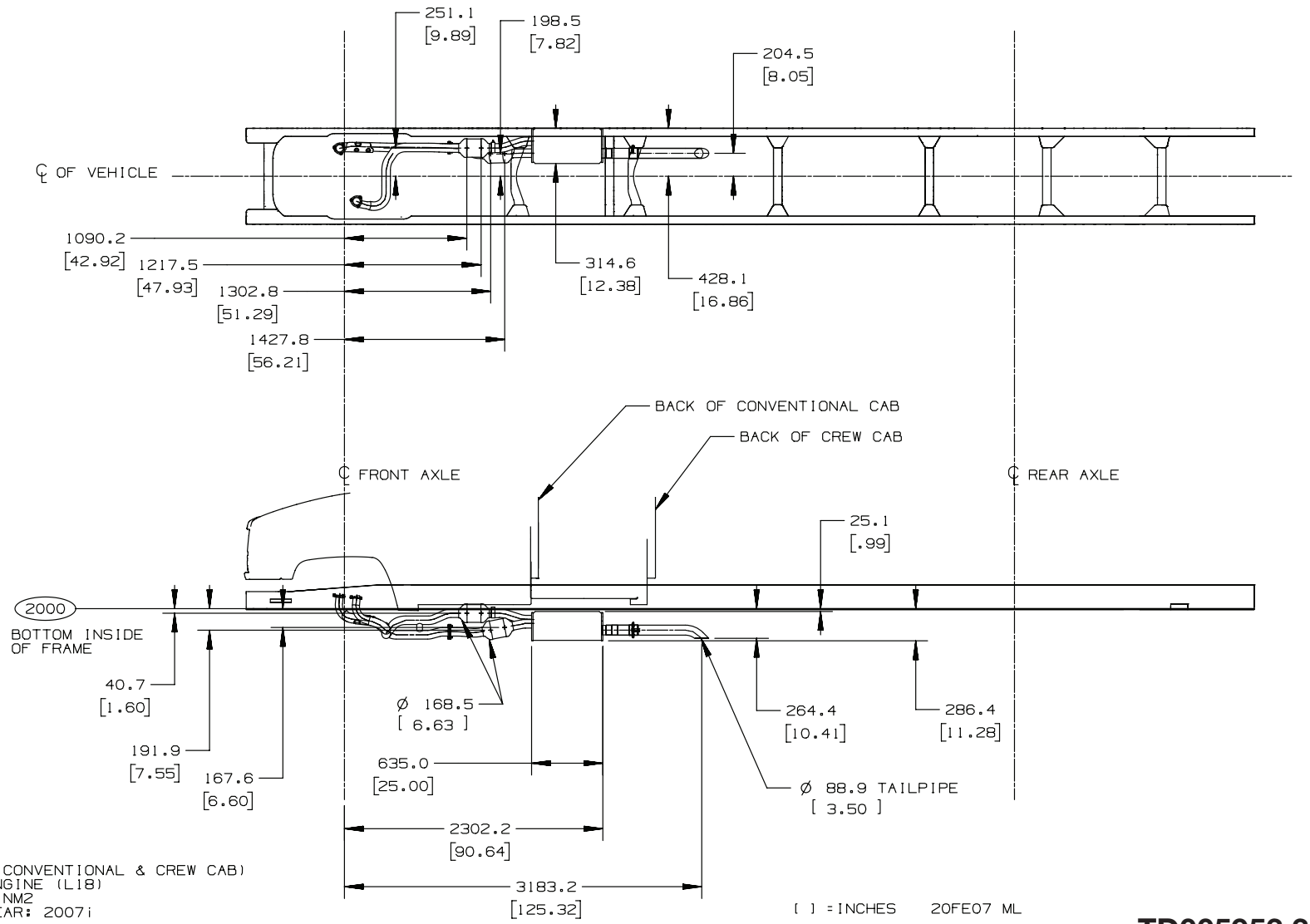
C4/C5C,E,U,V042 Air Tank and Compressor



GMT560 FAMILY 2 AND FAMILY 3 C-SERIES/T-SERIES K16 AIR COMPRESSOR 14JN06 ML [ ] = INCHES

AND58419.3

Single Horizontal Exhaust and Muffler – Option NB5 w/L18 Gas Engine, C4C/C4E/C5C/C5E (042)



GMT 560,C4C0/C5C0-42

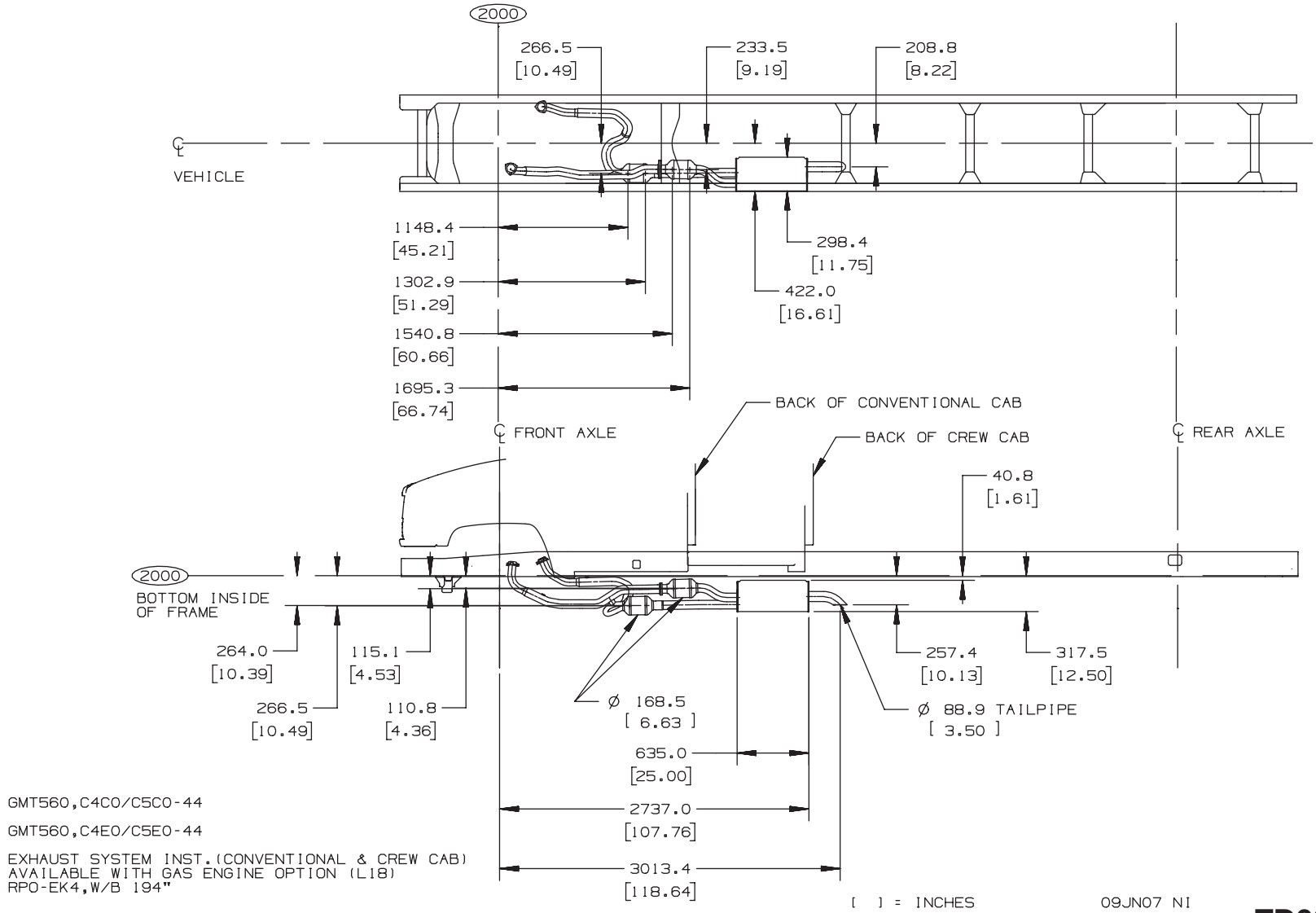
GMT 560,C4E0/C5E0-42

EXHAUST SYSTEM INST.(CONVENTIONAL & CREW CAB)
AVAILABLE WITH GAS ENGINE (L18)
UNLEADED FUEL OPTION NM2
RPO-FRP,W/B 235" YEAR: 2007i

[ ] = INCHES 20FE07 ML

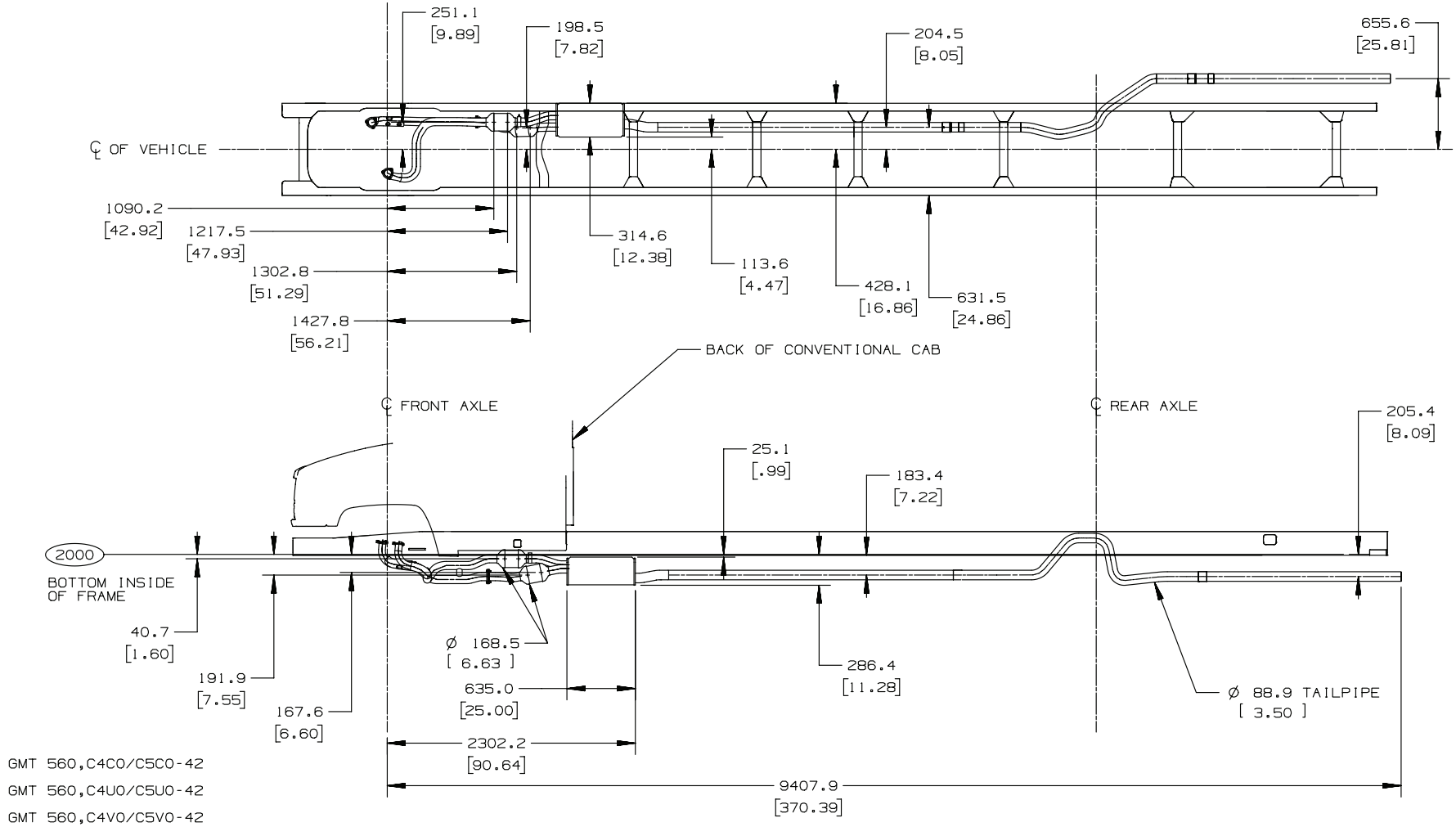
TD005953.3

Single Horizontal Exhaust and Muffler – Option NB5 w/L18 Gas Engine, C4C/C4E/C5C/C5E (044)



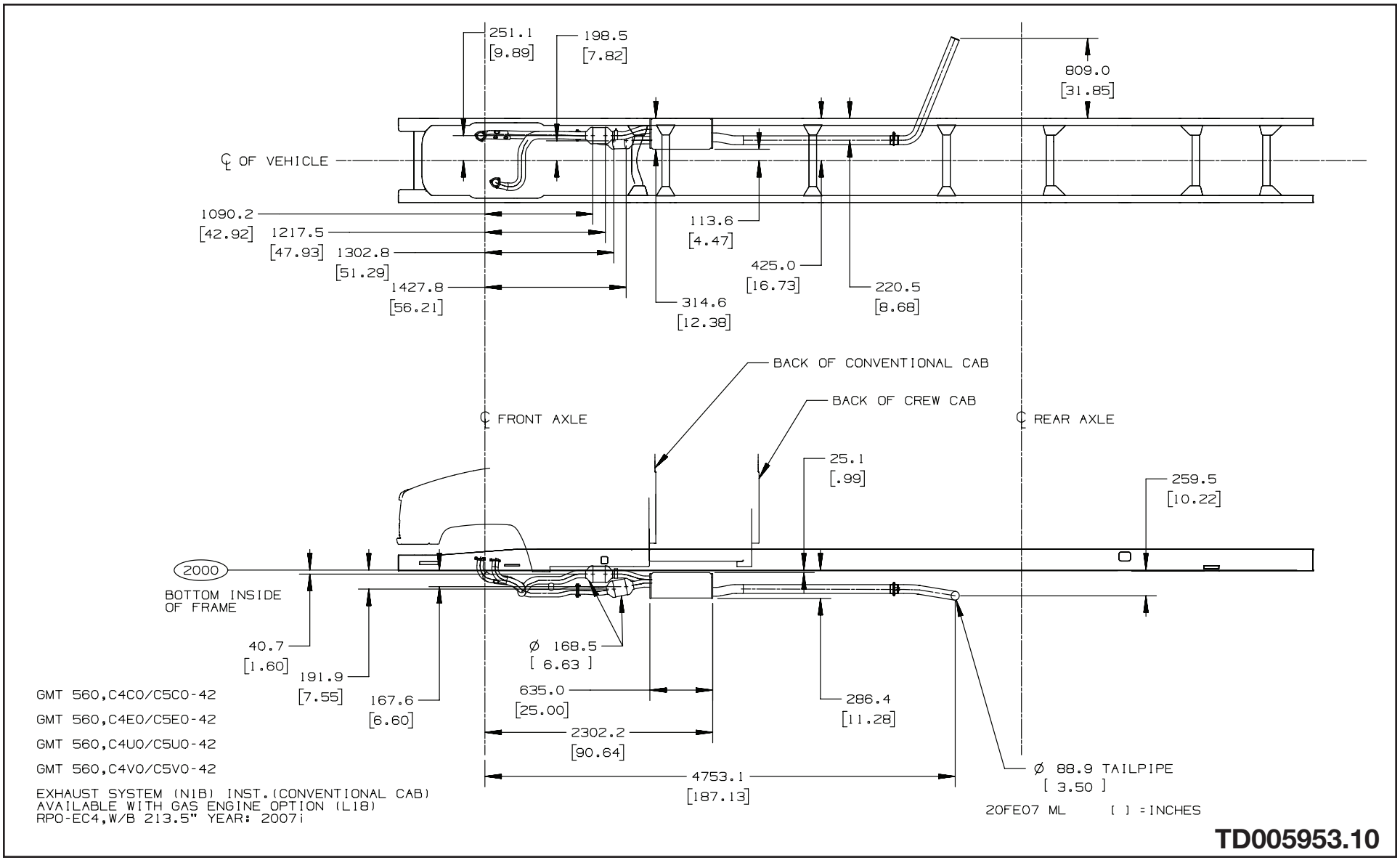
TD005953.f

Single Horizontal Exhaust and Muffler w/Tailpipe Extended to End of Frame – Option N12 w/L18 Gas Engine, C40/C50 (042)



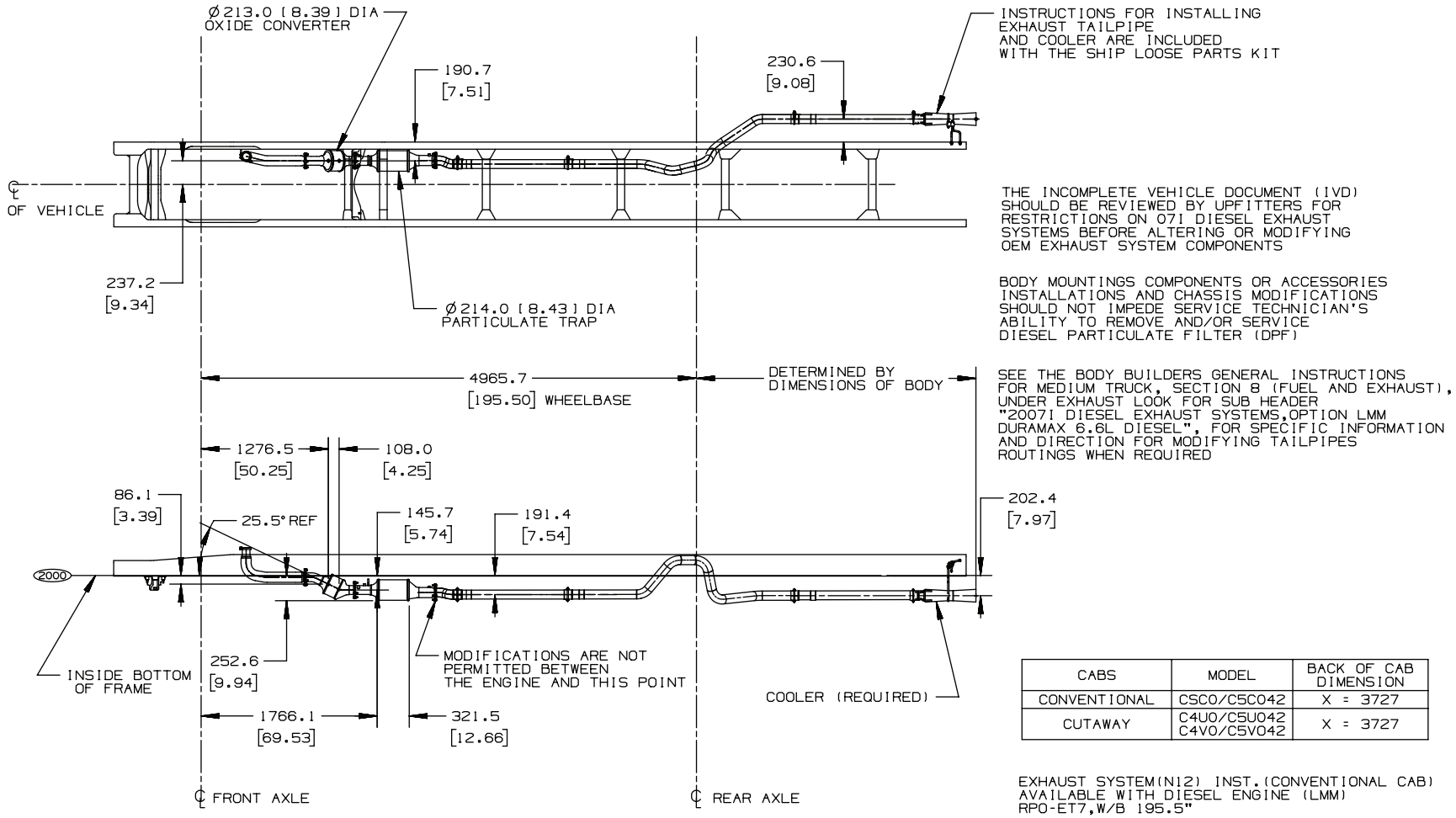
TD005953.9

Single Horizontal Exhaust and Muffler w/Tailpipe exits RH side forward of Rear Axle – Option N1B w/L18 Gas Engine



TD005953.10

2007i Single Horizontal Exhaust and Muffler w/Tailpipe extended to end of Frame Rail – Option N12 W/LMM Diesel Engine, C4/5(C042) & C4/5(U042) & C4/5(V042)



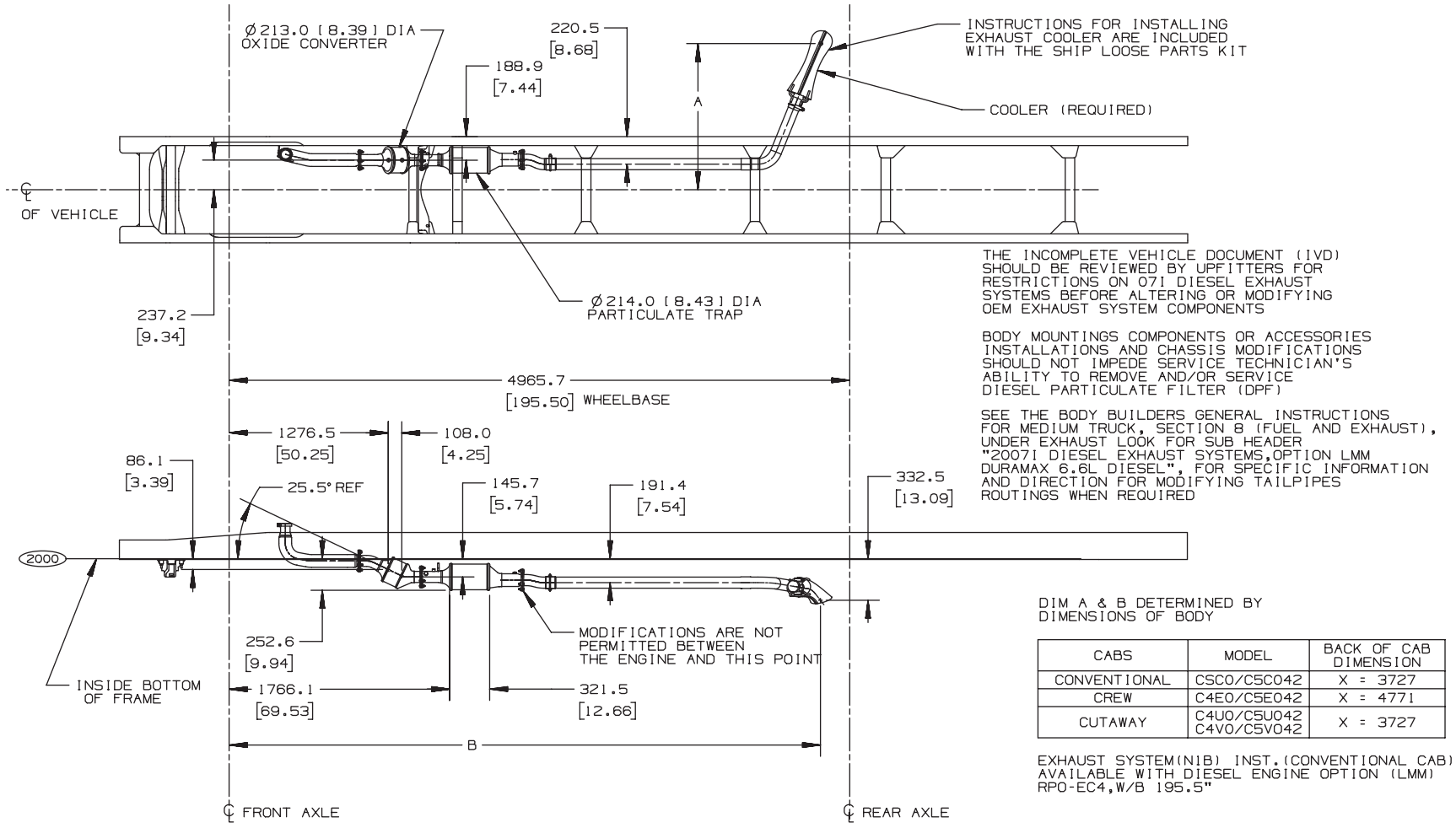
CABS	MODEL	BACK OF CAB DIMENSION
CONVENTIONAL	CSCO/C5C042	X = 3727
CUTAWAY	C4UO/C5U042 C4VO/C5V042	X = 3727

EXHAUST SYSTEM(N12) INST.(CONVENTIONAL CAB) AVAILABLE WITH DIESEL ENGINE (LMM) RPO-ET7,W/B 195.5"

GMT560 FAMILY 2 2007 DIESEL LMM & N12 — 07MY07 ML — [ ]=INCHES

AND20446.4

2007i Single Horizontal Exhaust and Tailpipe routed to curb side Forward of Rear Axle – Option N1B W/LMM Diesel Engine (All cabs on 042's)



THE INCOMPLETE VEHICLE DOCUMENT (IVD) SHOULD BE REVIEWED BY UPFITTERS FOR RESTRICTIONS ON 07I DIESEL EXHAUST SYSTEMS BEFORE ALTERING OR MODIFYING OEM EXHAUST SYSTEM COMPONENTS

BODY MOUNTINGS COMPONENTS OR ACCESSORIES INSTALLATIONS AND CHASSIS MODIFICATIONS SHOULD NOT IMPEDE SERVICE TECHNICIAN'S ABILITY TO REMOVE AND/OR SERVICE DIESEL PARTICULATE FILTER (DPF)

SEE THE BODY BUILDERS GENERAL INSTRUCTIONS FOR MEDIUM TRUCK, SECTION 8 (FUEL AND EXHAUST), UNDER EXHAUST LOOK FOR SUB HEADER "2007I DIESEL EXHAUST SYSTEMS,OPTION LMM DURAMAX 6.6L DIESEL", FOR SPECIFIC INFORMATION AND DIRECTION FOR MODIFYING TAILPIPES ROUTINGS WHEN REQUIRED

DIM A & B DETERMINED BY DIMENSIONS OF BODY

CABS	MODEL	BACK OF CAB DIMENSION
CONVENTIONAL	CSC0/C5C042	X = 3727
CREW	C4E0/C5E042	X = 4771
CUTAWAY	C4U0/C5U042 C4V0/C5V042	X = 3727

EXHAUST SYSTEM(N1B) INST.(CONVENTIONAL CAB) AVAILABLE WITH DIESEL ENGINE OPTION (LMM) RPO-EC4,W/B 195.5"

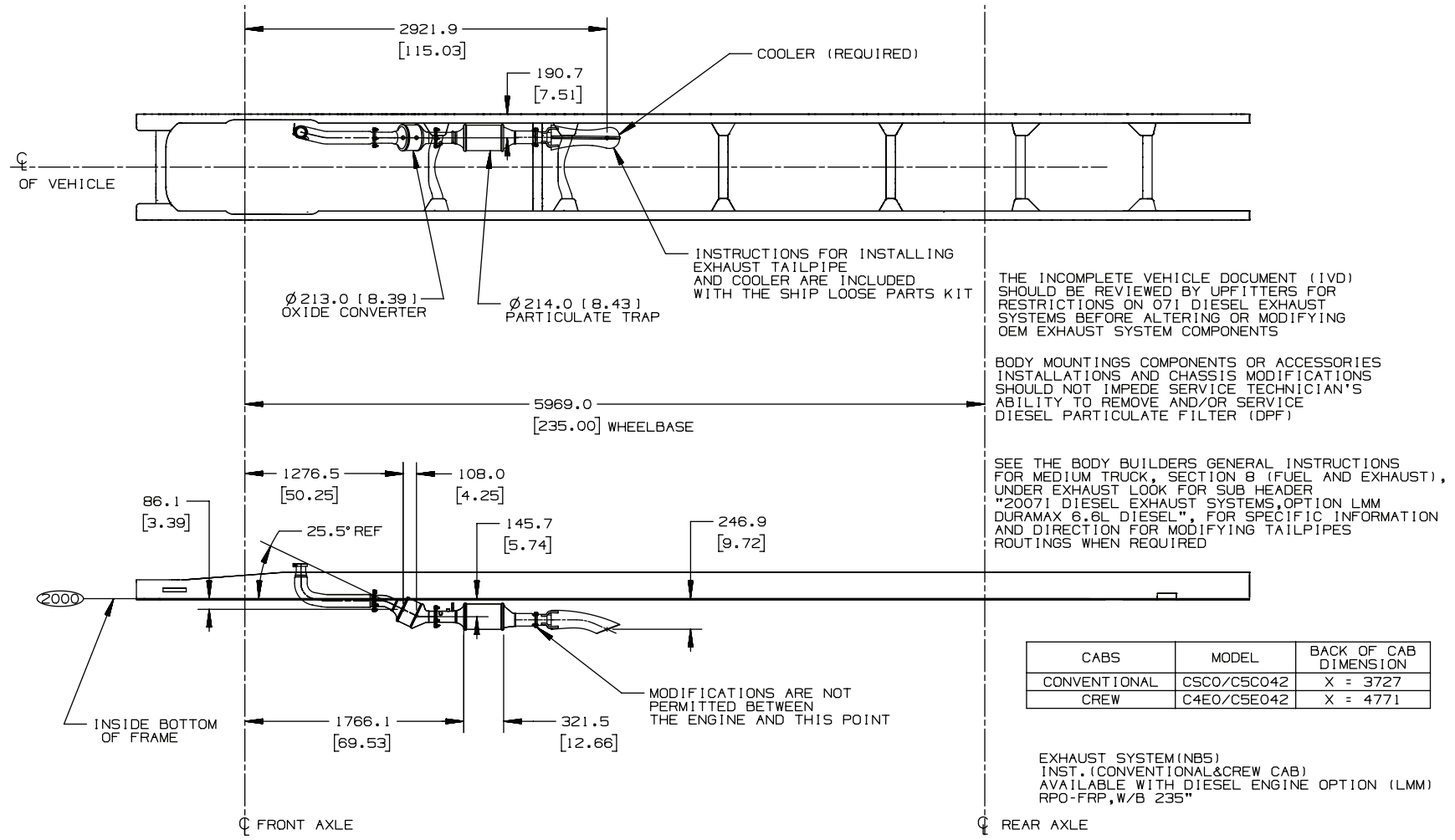
GMT560 FAMILY 2 2007 DIESEL LMM & N1B

07MY07 ML

[ ]=INCHES

AND20446.3

2007i Single Horizontal Exhaust and Tailpipe – Option NB5 W/LMM Diesel Engine – Regular Cab C4/5(C042) & Crew Cab (E042)



THE INCOMPLETE VEHICLE DOCUMENT (IVD) SHOULD BE REVIEWED BY UPFITTERS FOR RESTRICTIONS ON 07I DIESEL EXHAUST SYSTEMS BEFORE ALTERING OR MODIFYING OEM EXHAUST SYSTEM COMPONENTS

BODY MOUNTINGS COMPONENTS OR ACCESSORIES INSTALLATIONS AND CHASSIS MODIFICATIONS SHOULD NOT IMPEDE SERVICE TECHNICIAN'S ABILITY TO REMOVE AND/OR SERVICE DIESEL PARTICULATE FILTER (DPF)

SEE THE BODY BUILDERS GENERAL INSTRUCTIONS FOR MEDIUM TRUCK, SECTION 8 (FUEL AND EXHAUST), UNDER EXHAUST LOOK FOR SUB HEADER "2007I DIESEL EXHAUST SYSTEMS,OPTION LMM DURAMAX 6.6L DIESEL", FOR SPECIFIC INFORMATION AND DIRECTION FOR MODIFYING TAILPIPES ROUTINGS WHEN REQUIRED

CABS	MODEL	BACK OF CAB DIMENSION
CONVENTIONAL	CSC0/C5C042	X = 3727
CREW	C4E0/C5E042	X = 4771

EXHAUST SYSTEM(NB5)
INST.(CONVENTIONAL&CREW CAB)
AVAILABLE WITH DIESEL ENGINE OPTION (LMM)
RPO-FRP,W/B 235"

GMT560 FAMILY 2 2007 DIESEL LMM & NB5

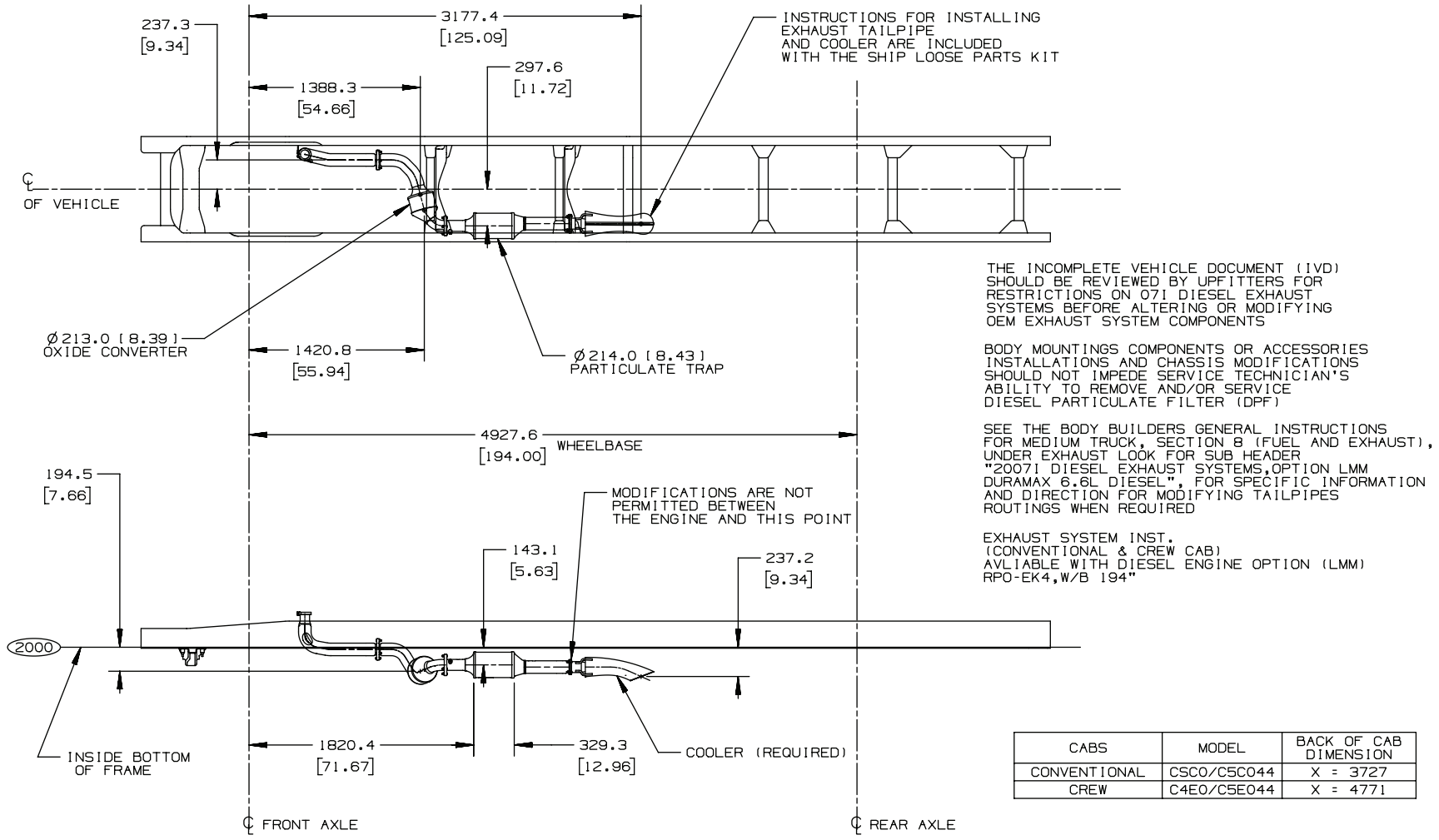
07MY07 ML

[ ]=INCHES

AND20446.5

2007i Single Horizontal Exhaust and Tailpipe – Option NB5 W/LMM Diesel Engine

Regular Cab C4/5(C044) & Crew Cab (E044)



THE INCOMPLETE VEHICLE DOCUMENT (IVD) SHOULD BE REVIEWED BY UPFITTERS FOR RESTRICTIONS ON 07I DIESEL EXHAUST SYSTEMS BEFORE ALTERING OR MODIFYING OEM EXHAUST SYSTEM COMPONENTS

BODY MOUNTINGS COMPONENTS OR ACCESSORIES INSTALLATIONS AND CHASSIS MODIFICATIONS SHOULD NOT IMPEDE SERVICE TECHNICIAN'S ABILITY TO REMOVE AND/OR SERVICE DIESEL PARTICULATE FILTER (DPF)

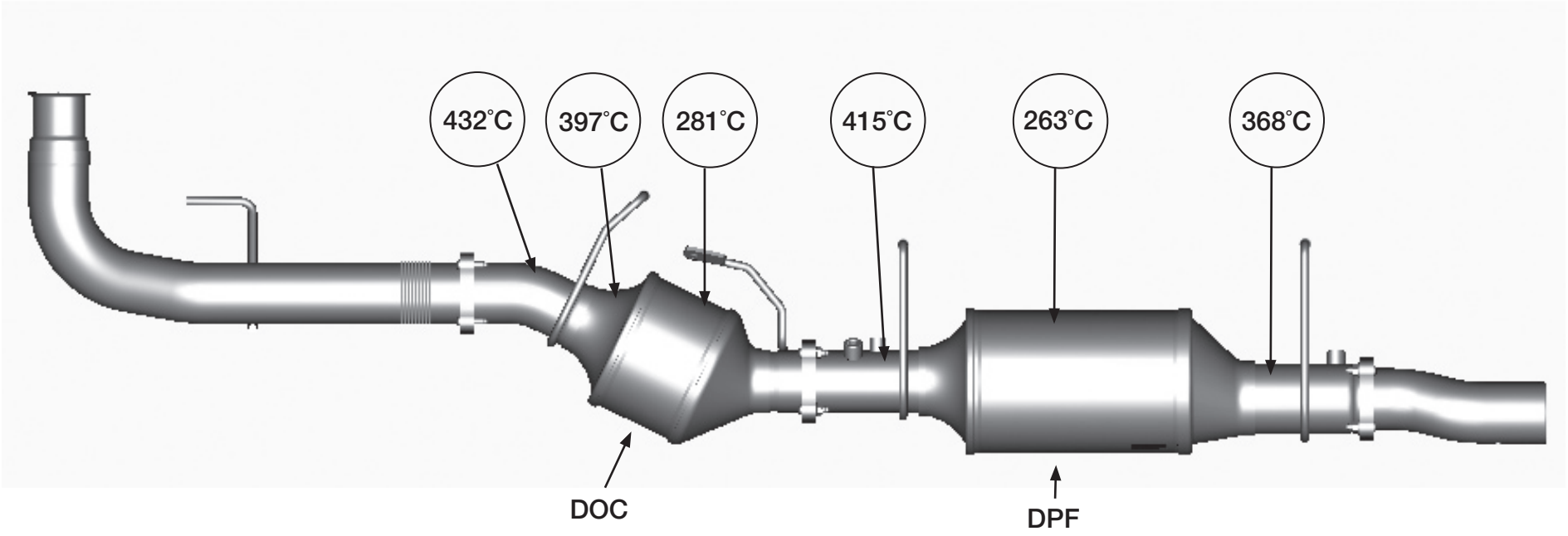
SEE THE BODY BUILDERS GENERAL INSTRUCTIONS FOR MEDIUM TRUCK, SECTION 8 (FUEL AND EXHAUST), UNDER EXHAUST LOOK FOR SUB HEADER "2007I DIESEL EXHAUST SYSTEMS,OPTION LMM DURAMAX 6.6L DIESEL", FOR SPECIFIC INFORMATION AND DIRECTION FOR MODIFYING TAILPIPES ROUTINGS WHEN REQUIRED

EXHAUST SYSTEM INST.
(CONVENTIONAL & CREW CAB)
AVLIABLE WITH DIESEL ENGINE OPTION (LMM)
RPO-EK4,W/B 194"

CABS	MODEL	BACK OF CAB DIMENSION
CONVENTIONAL	CSC0/C5C044	X = 3727
CREW	C4E0/C5E044	X = 4771

AND20446.6

2007i Single Horizontal Exhaust Tailpipe – LMM Diesel Engine – Exhaust Temperature Map

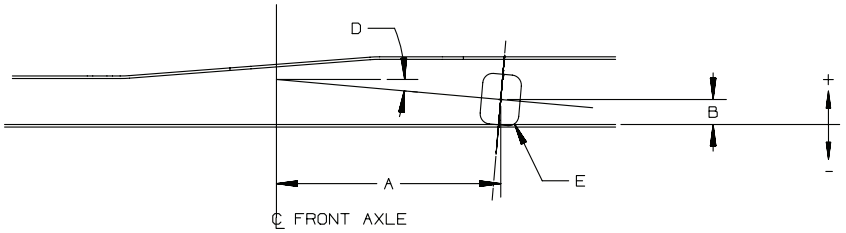


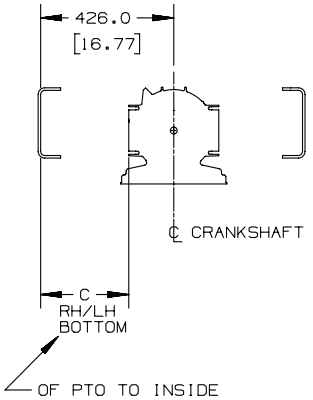
Note 1: These are typical exhaust skin extreme test temperatures and the actual temperatures may vary based on specific operating and environmental conditions, as well as the specific body applications.

Note 2: The DOC and DPF are emission control devices and cannot be modified or re-positioned.

Note 3: For LMM vehicles with N1B Side Exit or N12 Rear Exit tailpipes, the Body Builder/Upfitter is responsible for the required installation of the GM diesel exhaust gas cooler at the end of the tailpipe.

Transmission PTO





ENGINE	TRANSMISSION	LOCATION	DIM A	DIM B	DIM C	DIM D	DIM E	MODEL
L18 8.1L GAS (2008)	ALLISON 1000 RDS (MBV)	LH	713.8 [28.1]	+78.1 [3.07]	288.0 [11.33]	5.0	6 BOLT	C400/500
		RH	713.8 [28.1]	+78.1 [3.07]	282.2 [11.11]			
	ALLISON 2200 RDS (MBZ)	LH	713.8 [28.1]	+78.1 [3.07]	288.0 [11.33]	5.0	6 BOLT	C500
		RH	713.8 [28.1]	+78.1 [3.07]	282.2 [11.11]			
	ALLISON 2350 HS/RDS (MHE)	LH	713.7 [28.1]	+78.1 [3.07]	288.0 [11.33]	5.0	6 BOLT	C400/500
		RH	713.7 [28.1]	+78.1 [3.07]	282.2 [11.11]			
LMM 6.6L DIESEL (2007i)	ALLISON 1000 RDS (MBV)	LH	713.8 [28.1]	+78.1 [3.07]	283.0 [11.14]	5.0	6 BOLT	C400/500
		RH	713.8 [28.1]	+78.1 [3.07]	268.0 [10.55]			
	ALLISON 1000 EVS (MBW)	LH	713.8 [28.1]	+78.1 [3.07]	283.0 [11.14]	5.0	6 BOLT	C400/500
		RH	713.8 [28.1]	+78.1 [3.07]	268.0 [10.55]			
	ALLISON 2200 RDS (MBZ)	LH	713.8 [28.1]	+78.1 [3.07]	283.0 [11.14]	5.0	6 BOLT	C500
		RH	713.8 [28.1]	+78.1 [3.07]	268.0 [10.55]			
	ALLISON 2200 EVS (MY6)	LH	713.7 [28.1]	+78.1 [3.07]	288.0 [11.33]	5.0	6 BOLT	C500
		RH	713.7 [28.1]	+78.1 [3.07]	282.2 [11.11]			
	ALLISON 2350 RDS (MHE)	LH	713.8 [28.1]	+78.1 [3.07]	288.0 [11.33]	5.0	6 BOLT	C400/500
		RH	713.8 [28.1]	+78.1 [3.07]	282.2 [11.11]			
	ALLISON 2350 EVS (MHD)	LH	713.8 [28.1]	+78.1 [3.07]	288.0 [11.33]	5.0	6 BOLT	C500
		RH	713.8 [28.1]	+78.1 [3.07]	282.2 [11.11]			

EXPLANATION OF LETTERED DIMENSIONS

A= FRONT AXLE TO PTO OPENING
B= BOTTOM INSIDE OF FRAME RAIL TO PTO OPENING
C= INSIDE OF FRAME RAIL TO PTO OPENING
D= DRIVELINE ANGLE
E= POWER TAKE OFF MOUNTING

GMT560 C400/500 300C06 JF [ ] INCHES

AND77014.3