MONTANA
Department of Transportation

MDT-BRG-015 04/23

Montana Department of Transportation
Bridge Bureau
Approved Construction Equipment List

mdtacel@mt.gov

Make:	Anderson Underbridge + Chevrolet
Model:	HP35 + 3500 HD crew cab long box dually
Equipment Type:	under bridge access vehicle with pull truck
Contractor Modifications:	none

Interstate Approval Conditions

Approval Type	crossing and operating
Speed:	no restriction
Weight:	19,600 lb + 14,000 lb or less
Traffic:	approved with regular traffic
Location Restrictions:	no restriction

Non-Interstate Approval Conditions

Approval Type	crossing and operating
Speed:	no restriction
Weight:	19,600 lb + 14,000 lb or less
Traffic:	approved with regular traffic
Location Restrictions:	no restriction

Comments:

Equipment configuration, weights and specifications on following pages. Approval does not apply to load posted bridges. Other construction equipment is not allowed to operate on or cross bridge at the same time this equipment is on the bridge.

ANDERSON UnderBridge

when overhead is underneath™

HP35

OUR MOST POPULAR MODEL

The HP35 has an extended platform length of 35 ft. and provides 1,400 sq. ft. of under-bridge area from a fixed point on the bridge deck.



SMALL-SIZED TRAILER MODEL

Dimensions are approximate

MADE IN USA

FEATURES

- Single-lane 5-minute deployment
- Self-propelled hydraulic drive
- Patented Tower Separation System
- Access crossover to tower remains horizontal at all times
- ± 5° Tower adjustment for super elevation
- Operator-activated communication system at the main control panel; voice-activated communication system at the platform
- 19 HP gas engine with an auto idle to power the main hydraulic system
- CANbus control system with 7″ main panel display
- Multiple control locations
- Wireless remote with proportional paddles
- Level-sensing and load-sensing with visual and audible alarms
- Automatic outriggers
- Fall protection anchorage points

** From bottom of turntable side tube*

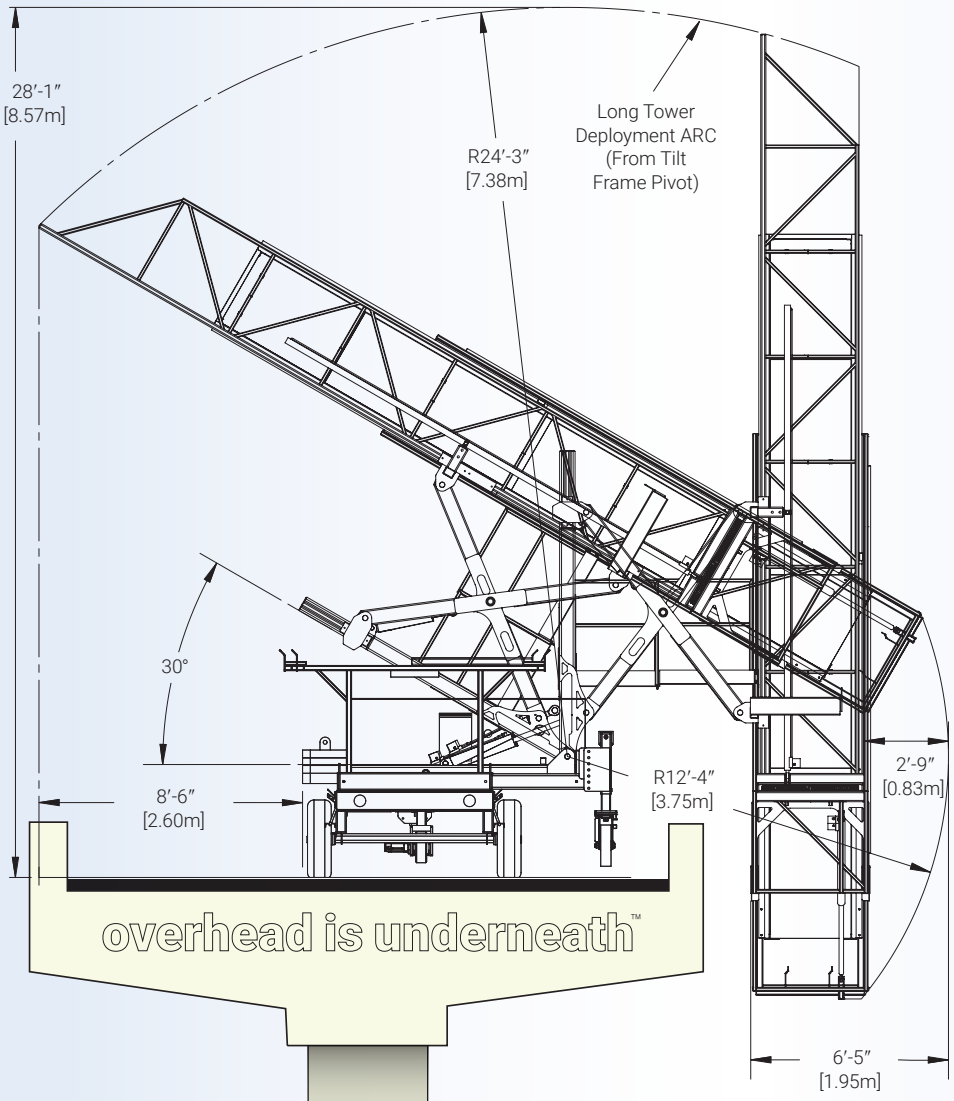
AndersonUnderBridge.com
803-366-8195



ANDERSON UnderBridge™

when overhead is underneath™

HP35

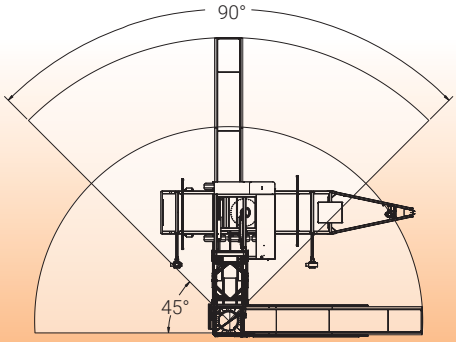


Dimensions are approximate

SPECS

SPECS	US	METRIC
Platform Length	35ft-0in	10.67m
Platform Width – I.D. Alum.	2ft-7in	.79m
Platform Width – I.D. Steel	3ft-1in	.94m
Crossover Height Clearance	6ft-1in	1.86m
Maximum Lowering Depth	17ft-5in	5.31m
Tower Separation Width	5ft-6in	1.68m
Total Weight (Approximate)	18,600lbs	8,463kg
Platform Weight Capacity	1,000lbs	454kg
Platform Rotation	180°	
Maximum Grade	2°	
Maximum Super Elevation	5°	
Standards Compliance	ANSI A92.20	
TRAVEL POSITION SPECIFICATIONS		
Unit Length	31ft-6in	9.61m
Unit Width	8ft-4in	2.54m
Unit Height	11ft-0in	3.36m

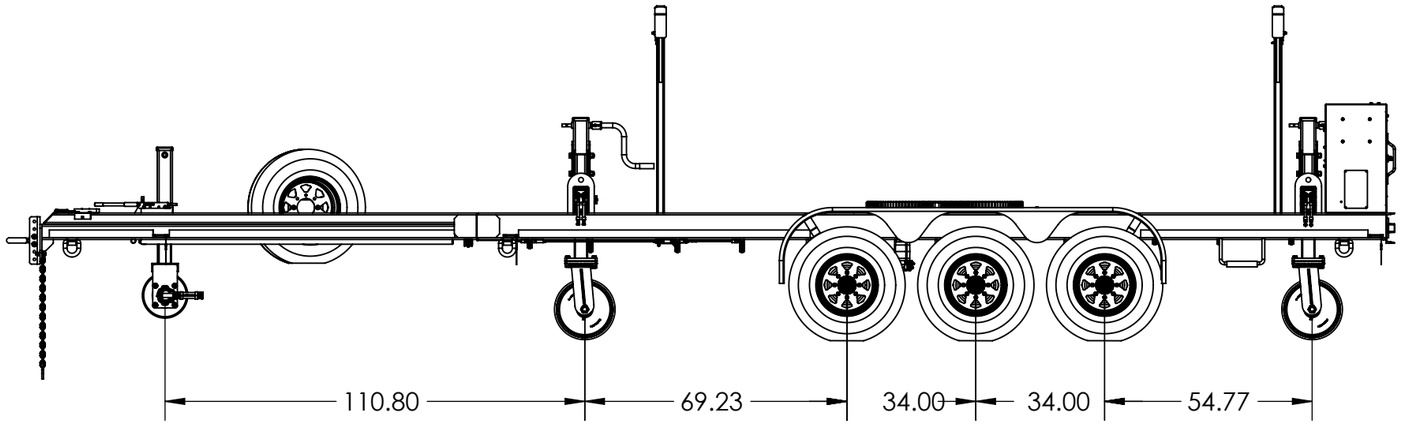
180° PLATFORM ROTATION

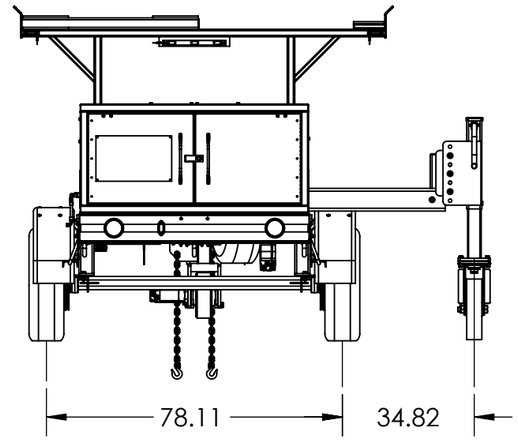


OUR PATENTED TOWER SEPARATION SYSTEM

Enables operators to erect and extend the tower and platform over sidewalks and other barriers without restricting under-bridge operations.

AndersonUnderBridge.com
803-366-8195





NOTE:
1. BREAK ALL SHARP EDGES.

UNLESS OTHERWISE SPECIFIED
UNITS = INCHES
X.X ± 0.1
X.XX ± 0.06
X.XXX ± 0.030
ANGLES ± 1.0°
DO NOT SCALE
Drawing per GEP024
Drawing and Drafting Guidelines

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TITLE: ASSEMBLY, BED, HP-35

SIZE	SCALE	WEIGHT	MATERIAL
B	1:40	~ 5753.31 LB.	

CREATED/DRAWN BY	DATE	SHEET	DRAWING NUMBER	REVISION
BGS	04/20/16	1 OF 1	827327	1.10

MODEL	REFERENCE
HP-35	

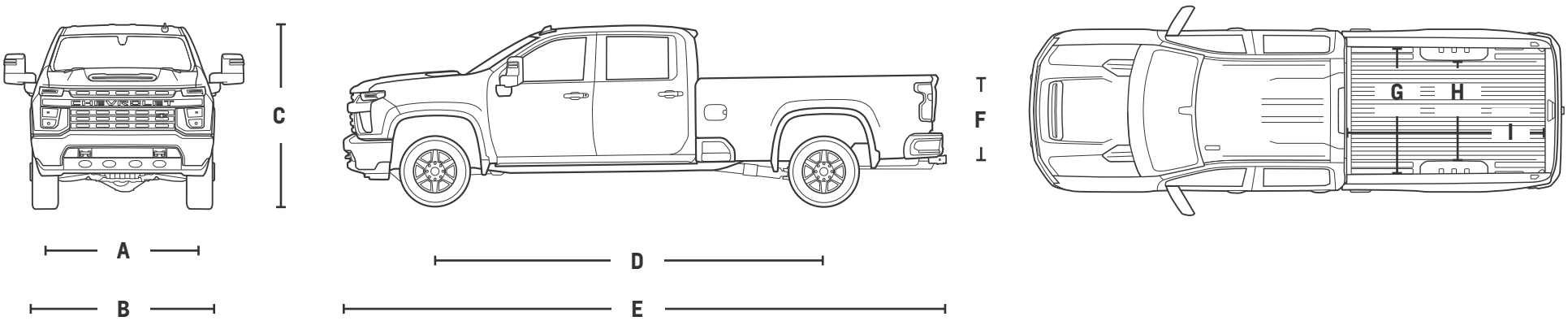
ECN	REV	REVISION DESCRIPTION	BY	DATE
17012	1.10	ADD ASSEMBLY DRAWINGS	WOM	08/23/2017

MAXIMUM CAPACITIES

	REGULAR CAB	DOUBLE CAB	CREW CAB
Fuel tank (approximate)	36 gallons 28 gallons – Diesel	36 gallons 29 gallons – Standard Bed Diesel	36 gallons
Cargo volume[1]	83.5 cubic feet – Long Bed	69.6 cubic feet – Standard Bed 83.5 cubic feet – Long Bed	69.6 cubic feet – Standard Bed 83.5 cubic feet – Long Bed

DIMENSIONS

	REGULAR CAB	DOUBLE CAB	CREW CAB
A – Front track	68.1"	68.1"	68.1"
B – Width	81.9" – SRW 96.8" – DRW	81.9" – SRW 96.8" – DRW	81.9" – SRW 96.8" – DRW
C – Height	79.9" – 2500 HD 80.2" – 3500 HD DRW 80.9" – 3500 HD SRW	79.8" – 2500 HD Long Bed 80.0" – 2500 HD Standard Bed 80.2" – 3500 HD Long Bed DRW 80.9" – 3500 HD Long Bed SRW	79.7" – 2500 HD Long Bed 79.8" – 2500 HD Standard Bed 80.0" – 3500 HD Long Bed DRW 80.7" – 3500 HD Long Bed SRW 80.9" – 3500 HD Standard Bed
D – Wheelbase	141.5"	149.4" – Standard Bed 162.5" – Long Bed	158.9" – Standard Bed 172.0" – Long Bed
E – Length	235.5"	240.4" – Standard Bed 256.5" – Long Bed	250.0" – Standard Bed 266.0" – Long Bed
F – Bed height	21.0"	21.0"	21.0"
G – Bed width, wall-to-wall	71.4"	71.4"	71.4"
H – Width between wheelhousings	50.5"	51.8" – Standard Bed 50.5" – Long Bed	51.8" – Standard Bed 50.5" – Long Bed
I – Bed length at floor	98.3"	82.3" – Standard Bed 98.3" – Long Bed	82.3" – Standard Bed 98.3" – Long Bed
Rear track	68.3" – SRW 75.0" – DRW	68.3" – SRW 75.0" – DRW	68.3" – SRW 75.0" – DRW
Head room (front/rear)	43.1"/–	43.0"/39.9"	43.0"/40.1"
Leg room (front/rear)	44.5"/–	44.5"/35.2"	44.5"/43.4"
Shoulder room (front/rear)	66.1"/–	66.0"/64.9"	66.0"/65.3"
Hip room (front/rear)	60.9"/–	61.2"/60.2"	61.2"/60.2"



1 *Cargo and load capacity limited by weight and distribution.*

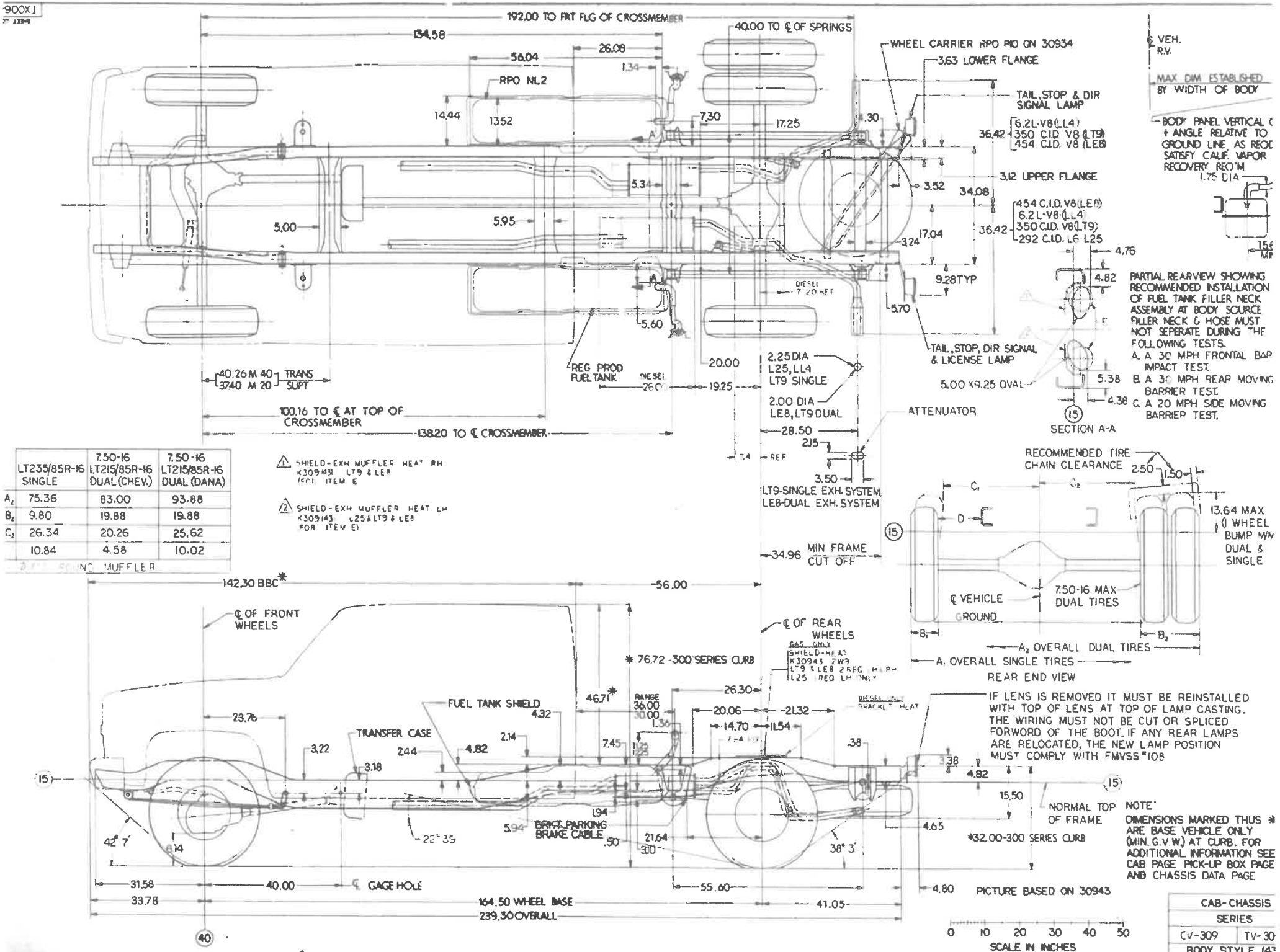
PAYLOAD & TRAILERING WEIGHT RATINGS – 3500 HD

MODEL	ENGINE	WHEEL SIZE	GVWR (LBS.)[1]	MAX PAYLOAD (LBS.)[2]	MAX CONVENTIONAL TRAILERING (LBS.)[3]	MAX GOOSENECK/ 5TH-WHEEL TRAILERING (LBS.)[3]
3500 HD REGULAR CAB						
Long Bed 2WD SRW	6.6L V8 gas	18"/20"	10,750	4,481	14,500	17,200
	Duramax 6.6L V8	18"/20"	11,500	4,215	14,500	21,500
Long Bed 4x4 SRW	6.6L V8 gas	18"/20"	11,100	4,534	14,500	16,950
	Duramax 6.6L V8	18"/20"	11,800	4,217	14,500	21,500
Long Bed 2WD DRW	6.6L V8 gas	17"	14,000	7,442	16,800	16,800
	Duramax 6.6L V8	17" (5th-Wheel)	14,000	6,523	20,000	32,000
	Duramax 6.6L V8	17" (Gooseneck)	14,000	6,465	20,000	36,000[4]
Long Bed 4x4 DRW	6.6L V8 gas	17"	14,000	7,145	16,800	16,710
	Duramax 6.6L V8	17"	14,000	6,196	20,000	31,760
3500 HD DOUBLE CAB						
Long Bed 2WD SRW	6.6L V8 gas	18"/20"	11,100	4,373	14,500	16,700
	Duramax 6.6L V8	18"/20"	11,850	4,130	14,500	21,490
Long Bed 4x4 SRW	6.6L V8 gas	18"/20"	11,400	4,391	14,500	16,500
	Duramax 6.6L V8	18"/20"	12,150	4,148	14,500	21,210
Long Bed 2WD DRW	6.6L V8 gas	17"	14,000	6,985	16,400	16,400
	Duramax 6.6L V8	17"	14,000	6,059	20,000	31,500
Long Bed 4x4 DRW	6.6L V8 gas	17"	14,000	6,703	16,390	16,270
	Duramax 6.6L V8	17"	14,000	5,777	20,000	31,340

MODEL	ENGINE	WHEEL SIZE	GVWR (LBS.)[1]	MAX PAYLOAD (LBS.)[2]	MAX CONVENTIONAL TRAILERING (LBS.)[3]	MAX GOOSENECK/ 5TH-WHEEL TRAILERING (LBS.)[3]
3500 HD CREW CAB						
Standard Bed 2WD SRW	6.6L V8 gas	18"/20"	11,000	4,316	14,500	16,700
	Duramax 6.6L V8	18"/20"	11,750	4,135	20,000	21,500
Standard Bed 4x4 SRW	6.6L V8 gas	18"/20"	11,350	4,365	14,500	16,530
	Duramax 6.6L V8	18"/20"	12,100	4,185	20,000	21,300
Standard Bed High Country 4x4 SRW	6.6L V8 gas	20"	11,350	4,068	14,500	16,230
	Duramax 6.6L V8	20"	12,100	3,915	20,000	21,030
Long Bed 2WD SRW	6.6L V8 gas	18"/20"	11,150	4,333	14,500	16,700
	Duramax 6.6L V8	18"/20"	11,900	4,013	20,000	21,330
Long Bed 4x4 SRW	6.6L V8 gas	18"/20"	11,500	4,398	14,500	16,410
	Duramax 6.6L V8	18"/20"	12,250	4,078	20,000	21,040
Long Bed High Country 4x4 SRW	6.6L V8 gas	20"	11,500	4,093	14,500	16,110
	Duramax 6.6L V8	20"	12,250	3,947	20,000	20,910
Long Bed 2WD DRW	6.6L V8 gas	17"	14,000	6,894	16,300	16,200
	Duramax 6.6L V8	17"	14,000	5,892	20,000	31,400
Long Bed 4x4 DRW	6.6L V8 gas	17"	14,000	6,610	16,240	16,120
	Duramax 6.6L V8	17"	14,000	5,662	20,000	31,180
Long Bed High Country 4x4 DRW	6.6L V8 gas	17"	14,000	6,390	16,020	15,900
	Duramax 6.6L V8	17"	14,000	5,488	20,000	31,000

Trailering Guide ›

1 Maximum Gross Vehicle Weight Rating (GVWR). When properly equipped; includes weight of vehicle, passengers, cargo and equipment. 2 These maximum payload ratings are intended for comparison purposes only. Before you buy a vehicle or use it to haul people or cargo, carefully review the Vehicle Loading section of the Owner's Manual and check the carrying capacity of your specific vehicle on the label on the inside of the driver door jamb. 3 Maximum trailering ratings are intended for comparison purposes only. Before you buy a vehicle or use it for trailering, carefully review the Trailering section of the Owner's Manual. The trailering capacity of your specific vehicle may vary. The weight of passengers, cargo and options or accessories may reduce the amount you can trailer. 4 Requires WT with available Max Trailering Package.



	LT235/85R-16 SINGLE	7.50-16 LT215/85R-16 DUAL (CHEV.)	7.50-16 LT215/85R-16 DUAL (DANA)
A_2	75.36	83.00	93.88
B_2	9.80	19.88	19.88
C_2	26.34	20.26	25.62
	10.84	4.58	10.02

(1) SHIELD-EXH MUFFLER HEAT RH K30943 LT9 & LE8 (REQ. ITEM E

(2) SHIELD-EXH MUFFLER HEAT LH K30943 L25 & LT9 & LE8 (REQ. ITEM E)

GAS ONLY SHIELD-HEAT K30943 2W9 LT9 & LE8 2 REQ. RH L25 1 REQ. LH ONLY

DIESEL ONLY BRACKET-HEAT

SEE SOUND MUFFLER