



TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, NO PAYLOAD, LIFT AXLE UP.	
TOTAL WEIGHT ON FRONT AXLE	= 19,360 LBS.
TOTAL WEIGHT ON TANDEM AXLE	= 17,680 LBS.
FRONT AXLE WT. PERCENTAGE	= 52 %
TANDEM AXLE WT. PERCENTAGE	= 48 %
GROSS VEHICLE WEIGHT	= 37,040 LBS.

TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, WITH PAYLOAD, LIFT AXLE DOWN.	
TOTAL WEIGHT ON FRONT AXLE	= 19,160 LBS.
TOTAL WEIGHT ON TANDEM AXLE	= 32,940 LBS.
TOTAL WEIGHT ON LIFT AXLE	= 8,500 LBS.
FRONT AXLE WT. PERCENTAGE	= 32 %
TANDEM AXLE WT. PERCENTAGE	= 54 %
LIFT AXLE WT. PERCENTAGE	= 14 %
GROSS VEHICLE WEIGHT	= 60,600 LBS.
WATER LEVEL PAYLOAD	= 23,560 LBS.

TRUCK SPECIFICATIONS	
TRUCK MODEL	= PETERBILT 567 SBA
WHEELBASE	= 290"
CAB TO TANDEM	= 216"
AXLE-TO-FRAME	= 100 1/2"
FRONT AXLE CURB WEIGHT	= 11,147 LBS.
TRIDEM AXLE CURB WEIGHT	= 8,026 LBS.
FRONT G.A.W.R.	= 20,000 LBS.
TRIDEM G.A.W.R.	= 46,000 LBS.
YIELD STRENGTH OF EACH FRAME RAIL	MINIMUM SECTION MODULUS REQUIRED
120,000 P.S.I. YIELD	= 31.53 in. <sup>3</sup>
MINIMUM RBM/RAIL OF 3,784,167 IN-LBS	

**NOTES:**  
 DOUBLE FRAME CHASSIS RECOMMENDED.  
 FULL LENGTH SUB-FRAME REQUIRED:  
 6"x4"x3/8" RECT. TUBING (ON TOP OF FRAME RAIL)  
 5"x3"x3/8" RECT. TUBING (CROSSMEMBERS EVERY 3 FT.)  
 CURB WEIGHTS WERE PROVIDED.  
 FLATBED WEIGHTS ARE ESTIMATED.

TRUCK RUNS IN TEXAS.  
 20,000 LBS. ALLOWED ON FRONT AXLE GAWR.  
 34,000 LBS. ALLOWED ON TANDEM AXLE  
 42,500 LBS ALLOWED ON TRIDEM.  
 60,600 LBS. ALLOWED FOR GROSS WEIGHT.  
 ALLOWABLE LEGAL OVERALL LENGTH IS 45'.

**NOTICE:**

THE DRAWING PURPOSE IS TO INTRODUCE A GENERAL CONCEPT OF A PROPOSED IDEA.

**NOTICE:**

THIS WEIGHT DISTRIBUTION IS BASED ON ESTIMATED WEIGHTS AND IS ONLY AS ACCURATE AS THOSE ESTIMATES. ACTUAL WEIGHTS MAY CHANGE THE RESULTS OF THIS WEIGHT DISTRIBUTION.

<b>Cargotec USA</b> Cargotec USA 12233 Williams Road Perrysburg, Ohio 43551 Tel (419) 482-6000 Fax (419) 482-6001 Tolerances - unless otherwise noted. 2-PLACE ±.000... .03 3-PLACE ±.000... .015 ANGULAR ± .....1/16" FRACTIONAL ± .....1/16" Break all sharp corners unless otherwise specified.	THIS PROPERTY AND ALL INFORMATION THEREIN IS THE PROPERTY OF CARGOTEC USA, 12233 WILLIAMS RD, PERRYSBURG, OHIO 43551 AND IS CONFIDENTIAL. IT MUST NOT BE MADE PUBLIC OR COPIED. THIS DRAWING IS LOANED TO RETURN UPON DEMAND AND SHALL NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO OUR INTERESTS. OUR PRIOR SPECIFIC APPROVAL IS REQUIRED FOR EXPOSURE OF THIS DRAWING TO OTHERS FOR ANY PURPOSE.	Drawing Title: <b>HIAB 362EP-4 HIPO</b>
	Project Name: <b>SALES LAYOUT</b>	Drawn by: Date: SRM 4-29-20
Dwg/Cad file no. <b>362 / SALES</b>	Approval: Date Approved:	Scale: unit wt. Eng. Job no.: