



TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, <u>NO</u> PAYLOAD.	
TOTAL WEIGHT ON FRONT AXLE	= 15,660 LBS.
TOTAL WEIGHT ON REAR AXLE	= 17,030 LBS.
FRONT AXLE WT. PERCENTAGE	= 48 %
REAR AXLE WT. PERCENTAGE	= 52 %
GROSS VEHICLE WEIGHT	= 32,690 LBS.

TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, <u>WITH</u> PAYLOAD.	
TOTAL WEIGHT ON FRONT AXLE	= 18,650 LBS.
TOTAL WEIGHT ON REAR AXLE	= 33,850 LBS.
FRONT AXLE WT. PERCENTAGE	= 36 %
REAR AXLE WT. PERCENTAGE	= 64 %
GROSS VEHICLE WEIGHT	= 52,500 LBS.
PAYLOAD-POLE CENTERS AT 202"	= 19,810 LBS.

TRUCK SPECIFICATIONS	
TRUCK MODEL	= PETERBILT 365 6X6
WHEELBASE	= 238"
CAB TO TANDEM	= 169"
AXLE-TO-FRAME	= 79"
FRONT AXLE TARE WEIGHT	= 11,344 LBS.
REAR AXLE TARE WEIGHT	= 8,800 LBS.
FRONT G.A.W.R.	= 22,000 LBS.
REAR G.A.W.R.	= 40,000 LBS.
YIELD STRENGTH OF EACH FRAME RAIL	MINIMUM SECTION MODULUS REQUIRED
120,000 P.S.I. YIELD	= 16.40 in. <sup>3</sup>
MINIMUM RBM/RAIL OF 1,968,040 IN-LBS	

**NOTES:**  
 FRAME RAIL MUST MEET THE MINIMUM RBM REQUIRED.  
 RISER REQUIRED FOR CRANE INSTALLATION:  
 6"x4"x3/8" RECT. TUBING (ON TOP OF FRAME RAIL)  
 5"x3"x3/8" RECT. TUBING (CROSSMEMBERS)  
 TOTAL WEIGHT PROVIDED, CURB WEIGHTS ARE ESTIMATED.  
 BODY WEIGHTS ARE ESTIMATED.

TRUCK RUNS IN US (RULES FOR MOST STATES).  
 20,000 LBS. ALLOWED ON FRONT AXLE.  
 34,000 LBS. ALLOWED ON TANDEM AXLE.  
 52,500 LBS. ALLOWED FOR GROSS WEIGHT.  
 MAXIMUM LENGTH CANNOT EXCEED 40'.

**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.

**Hiab, Inc.**  
 Hiab, Inc.  
 12233 Williams Road  
 Perrysburg, Ohio 43551  
 Tel (419) 482-6000  
 Fax (419) 482-6001  
 Tolerances - unless otherwise noted.  
 Tolerances are in inches  
 2-PLACE ±.000...±.03  
 3-PLACE ±.000...±.015  
 ANGULAR ± .....1°  
 FRACTIONAL ± .....1/16"  
 Break all sharp corners  
 unless otherwise specified.

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Next Assy.  
 Dwg/Cad file no.  
 188 / SALES

Drawing Title:  
**HIAB 188B-3 HIDUO**

Project Name:  
**SALES LAYOUT**

Drawn by: Date:  
**J W 11-27-17**

Approval: Date Approved:  
 \_\_\_\_\_

Size: Part No.  
 Scale: unit wt. Eng. job no.: