



TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, <u>NO</u> PAYLOAD.	
FRONT AXLE LOAD	= 4,350 LBS.
REAR AXLE LOAD	= 7,380 LBS.
FRONT AXLE PERCENTAGE	= 37 %
REAR AXLE PERCENTAGE	= 63 %
GROSS VEHICLE WEIGHT	= 11,730 LBS.

TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, <u>WITH</u> PAYLOAD.	
FRONT AXLE LOAD	= 4,620 LBS.
REAR AXLE LOAD	= 14,700 LBS.
FRONT AXLE PERCENTAGE	= 24 %
REAR AXLE PERCENTAGE	= 76 %
WATER LEVEL PAYLOAD	= 7,590 LBS.
GROSS VEHICLE WEIGHT	= 19,320 LBS.

TRUCK SPECIFICATIONS	
TRUCK MODEL	= FORD F-550 4X2
WHEELBASE	= 169"
CAB TO AXLE	= 84"
AXLE-TO-FRAME	= 47", 66" REQ'D
FRONT AXLE CURB WEIGHT	= 4,438 LBS.
REAR AXLE CURB WEIGHT	= 3,211 LBS.
FRONT G.A.W.R.	= 6,000 LBS.
REAR G.A.W.R.	= 14,706 LBS.
YIELD STRENGTH OF EACH CHASSIS FRAME	MINIMUM SECTION MODULUS REQUIRED
50,000 P.S.I. STEEL	= 7.17in. <sup>3</sup>
MINIMUM RBM/RAIL	= 358,723 IN-LBS

**NOTES:**  
 FRAME RAIL MUST MEET OR EXCEED THE MINIMUM RBM REQUIRED.  
 CURB WEIGHT TOTAL PROVIDED AT 7,649 LBS.  
 SPLIT WEIGHTS WERE CALCULATED.  
 FLATBED WEIGHTS ARE ESTIMATED.

TRUCK RUNS IN US (RULES FOR MOST STATES).  
 6,000 LBS. ALLOWED ON FRONT AXLE GAWR.  
 14,706 LBS. ALLOWED ON REAR AXLE GAWR.  
 19,500 LBS. MAX. GROSS VEHICLE 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.**  
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Tolerances - unless otherwise noted.  
 Tolerances are in inches.  
 2-PLACE ±.00..... .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.  
**029T-2 / SALES**

**Drawing Title:**  
 HIAB 029T-2

**Project Name:**  
 SALES LAYOUT

**Drawn by/Date:**  
 CSV 2-16-18

**Approval/Date Approved:**

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