



TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, <u>NO</u> PAYLOAD.	
FRONT AXLE LOAD	= 5,000 LBS.
REAR AXLE LOAD	= 5,600 LBS.
FRONT AXLE PERCENTAGE	= 47 %
REAR AXLE PERCENTAGE	= 53 %
GROSS VEHICLE WEIGHT	= 10,600 LBS.

TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, <u>WITH</u> PAYLOAD.	
FRONT AXLE LOAD	= 5,020 LBS.
REAR AXLE LOAD	= 9,980 LBS.
FRONT AXLE PERCENTAGE	= 34 %
REAR AXLE PERCENTAGE	= 66 %
WATER LEVEL PAYLOAD	= 4,400 LBS.
GROSS VEHICLE WEIGHT	= 15,000 LBS.

TRUCK SPECIFICATIONS	
TRUCK MODEL	= FORD F-450, 4x2
WHEELBASE	= 169"
CAB TO AXLE	= 84"
AXLE-TO-FRAME	= 47"
FRONT AXLE CURB WEIGHT	= 4,394 LBS.
REAR AXLE CURB WEIGHT	= 3,061 LBS.
FRONT G.A.W.R.	= 5,600 LBS.
REAR G.A.W.R.	= 12,880 LBS.
YIELD STRENGTH OF EACH CHASSIS FRAME	MINIMUM SECTION MODULUS REQUIRED
36,000 P.S.I. STEEL	= 5.75 in. <sup>3</sup>
MINIMUM RBM/RAIL	= 287,739 IN-LBS

**NOTES:**  
 FRAME RAIL MUST MEET OR EXCEED THE MINIMUM RBM REQUIRED.  
 CURB WEIGHTS FROM BODY BUILDER BOOK.  
 FLATBED WEIGHTS ARE ESTIMATED.

TRUCK RUNS IN US (RULES FOR MOST STATES).  
 5,600 LBS. ALLOWED ON FRONT AXLE GAWR.  
 12,880 LBS. ALLOWED ON REAR AXLE GAWR.  
 15,000 LBS. MAX. GROSS VEHICLE WEIGHT GAWR.  
 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 / SALES**

Drawing Title: **HIAB 029T-4**

Project Name: **SALES LAYOUT**

Drawn by: **EJM** Date: **5-30-19**

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

Size: \_\_\_\_\_ Part No. \_\_\_\_\_

Scale: unit wt. \_\_\_\_\_ Eng. job no.: \_\_\_\_\_