



TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, <u>NO</u> PAYLOAD.	
FRONT AXLE LOAD	= 4,513 LBS.
REAR AXLE LOAD	= 8,060 LBS.
FRONT AXLE PERCENTAGE	= 36 %
REAR AXLE PERCENTAGE	= 64 %
GROSS VEHICLE WEIGHT	= 12,570 LBS.

TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, <u>WITH</u> PAYLOAD.	
FRONT AXLE LOAD	= 5,090 LBS.
REAR AXLE LOAD	= 14,410 LBS.
FRONT AXLE PERCENTAGE	= 26 %
REAR AXLE PERCENTAGE	= 74 %
WATER LEVEL PAYLOAD	= 6,930 LBS.
GROSS VEHICLE WEIGHT	= 19,500 LBS.

TRUCK SPECIFICATIONS	
TRUCK MODEL	= FORD F-550 4X2
WHEELBASE	= 169"
CAB TO AXLE	= 84"
AXLE-TO-FRAME	= 47", 52 1/2" REQ'D
FRONT AXLE CURB WEIGHT	= 4,394 LBS.
REAR AXLE CURB WEIGHT	= 3,101 LBS.
FRONT G.A.W.R.	= 7,500 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	= 6.17in. <sup>3</sup>
MINIMUM RBM/RAIL	= 308,650 IN-LBS

**NOTES:**  
 FRAME RAIL MUST MEET OR EXCEED THE MINIMUM RBM REQUIRED.  
 CURB WEIGHTS USED ARE FROM DIESEL INDEX.  
 BODY WEIGHTS ARE ESTIMATED.

TRUCK RUNS IN US (RULES FOR MOST STATES).  
 7,500 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.

<b>Hiab, Inc.</b> Hiab, Inc. 12233 Williams Road Perrysburg, Ohio 43551 Tel (419) 482-6000 Fax (419) 482-6001 <small>Tolerances - unless otherwise noted.                  Tolerances are in inches.</small> 2-PLACE ±.00..... .03 3-PLACE ±.000..... .015 ANGULAR ±.....°1' FRACTIONAL ±..... corners-1/16" Break all sharp corners unless otherwise specified.	THIS PROPERTY AND ALL INFORMATION THEREIN IS THE PROPERTY OF Hiab, Inc., 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 029T-3</b>
	Dwg/Cad file no. <b>023T-3 / SALES</b>	Project Name: <b>SALES LAYOUT</b>
Next Assy.	Drawn by: Date: <b>EJM 8-28-19</b>	Size: Part No.
Approval:	Date Approved:	Scale: unit wt. Eng. job no.: