



TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, NO PAYLOAD.	
TOTAL WEIGHT ON FRONT AXLE	= 6,340 LBS.
TOTAL WEIGHT ON REAR AXLE	= 7,830 LBS.
FRONT AXLE WT. PERCENTAGE	= 45 %
REAR AXLE WT. PERCENTAGE	= 55 %
GROSS VEHICLE WEIGHT	= 14,170 LBS.

TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, WITH PAYLOAD.	
TOTAL WEIGHT ON FRONT AXLE	= 6,170 LBS.
TOTAL WEIGHT ON REAR AXLE	= 12,830 LBS.
FRONT AXLE WT. PERCENTAGE	= 32 %
REAR AXLE WT. PERCENTAGE	= 68 %
GROSS VEHICLE WEIGHT	= 19,000 LBS.
WATER LEVEL PAYLOAD	= 4,830 LBS.

TRUCK SPECIFICATIONS	
TRUCK MODEL	= FORD F550 CREW CAB
WHEELBASE	= 200"
CAB TO AXLE	= 84"
AXLE-TO-FRAME	= 47 1/2", 64" REQUIRED
FRONT AXLE TARE WEIGHT	= 5,057 LBS.
REAR AXLE TARE WEIGHT	= 3,463 LBS.
FRONT G.A.W.R.	= 7,000 LBS.
REAR G.A.W.R.	= 13,660 LBS.
YIELD STRENGTH OF EACH FRAME RAIL	MINIMUM SECTION MODULUS REQUIRED
36,000 P.S.I. YIELD	= 14.77 in. <sup>3</sup>
MINIMUM RBM/RAIL OF 531,750 IN-LBS	

**NOTES:**  
 FULL LENGTH SUBFRAME REQUIRED:  
 4" x 3" x 5/16" RECT. TUBING (ON TOP OF FRAME RAIL)  
 3" x 3" x 5/16" SQ. TUBING (CROSSMEMBERS EVERY 30")  
 TARE WEIGHTS WERE PROVIDED FROM FORD'S WEBSITE.  
 FLATBED WEIGHT WAS ESTIMATED.

7,000 LBS. ALLOWED ON FRONT AXLE.  
 13,660 LBS. ALLOWED ON REAR AXLE.  
 19,000 LBS. ALLOWED FOR GROSS WEIGHT.

**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                  2-PLACE ±.000..... .05                  3-PLACE ±.000..... .015                  ANGULAR ± ..... 1/16"                  FRACTIONAL ± ..... 1/16"                  Break all sharp corners                  unless otherwise specified.</small>	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 055B-2 CLX CRANE</b>	
		Project Name: <b>SALES LAYOUT</b>	
Next Assy. Dwg/Cad file no. <b>055 / SALES</b>	Drawn by: <b>J W</b> Date: <b>8/13/08</b> Approval:	Size: <b>C</b> Date Approved: Scale: <b>N/A</b>	Part No. unit wt. Eng. Job no.: