



TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, NO PAYLOAD.	
TOTAL WEIGHT ON FRONT AXLE	= 6,420 LBS.
TOTAL WEIGHT ON REAR AXLE	= 7,760 LBS.
FRONT AXLE WT. PERCENTAGE	= 45 %
REAR AXLE WT. PERCENTAGE	= 55 %
GROSS VEHICLE WEIGHT	= 14,180 LBS.

TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, WITH PAYLOAD.	
TOTAL WEIGHT ON FRONT AXLE	= 6,420 LBS.
TOTAL WEIGHT ON REAR AXLE	= 13,080 LBS.
FRONT AXLE WT. PERCENTAGE	= 33 %
REAR AXLE WT. PERCENTAGE	= 67 %
GROSS VEHICLE WEIGHT	= 19,500 LBS.
WATER LEVEL PAYLOAD	= 5,320 LBS.

TRUCK SPECIFICATIONS	
TRUCK MODEL	= FORD F550 6.7L
WHEELBASE	= 193"
CAB TO AXLE	= 108"
AXLE-TO-FRAME	= 48", 66" REQUIRED
FRONT AXLE TARE WEIGHT	= 4,800 LBS.
REAR AXLE TARE WEIGHT	= 3,187 LBS.
FRONT G.A.W.R.	= 7,000 LBS.
REAR G.A.W.R.	= 14,706 LBS.
YIELD STRENGTH OF EACH FRAME RAIL	MINIMUM SECTION MODULUS REQUIRED
50,000 P.S.I. YIELD	= 17.4 in. ³
MINIMUM RBM/RAIL OF 870,000 IN-LBS	

NOTES:
 FULL LENGTH SUBFRAME REQUIRED:
 5" x 3" x 3/8" RECT. TUBING (ON TOP OF FRAME RAIL)
 4" x 3" x 3/8" SQ. TUBING (CROSSMEMBERS EVERY 30")
 CURB WEIGHTS WERE PROVIDED FROM FORD'S WEBSITE.
 FLATBED WEIGHT WAS ESTIMATED.

TRUCK RUNS IN US (RULES FOR MOST STATES).
 7,000 LBS. ALLOWED ON FRONT AXLE.
 14,706 LBS. ALLOWED ON REAR AXLE.
 19,500 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.

Hiab, Inc. 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... .03 3-PLACE ±.000... .015 ANGULAR ±/16" FRACTIONAL ±/16" Break all sharp corners unless otherwise specified.</small>	<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.</small> Next Assy. Dwg/Cad file no.	Drawing Title: HIAB 082B-2 HIDUO CRANE		
		Project Name: SALES LAYOUT		
Dwg/Date: SMG 4-5-19	Size: Part No.	Approval: Date Approved:	Scale: unit wt.	Eng. Job no.:
082 / SALES				