



TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, NO PAYLOAD.	
FRONT AXLE LOAD	= 6,670 LBS.
REAR AXLE LOAD	= 8,120 LBS.
FRONT AXLE PERCENTAGE	= 45 %
REAR AXLE PERCENTAGE	= 55 %
GROSS VEHICLE WEIGHT	= 14,790 LBS.

TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, WITH PAYLOAD.	
FRONT AXLE LOAD	= 6,640 LBS.
REAR AXLE LOAD	= 12,860 LBS.
FRONT AXLE PERCENTAGE	= 34 %
REAR AXLE PERCENTAGE	= 66 %
WATER LEVEL PAYLOAD	= 4,710 LBS.
GROSS VEHICLE WEIGHT	= 19,500 LBS.

TRUCK SPECIFICATIONS	
TRUCK MODEL	= DODGE 5500 4X4
WHEELBASE	= 204 1/2"
CAB TO AXLE	= 120"
AXLE-TO-FRAME	= 52", 76" REQUIRED
FRONT AXLE CURB WEIGHT	= 5,059 LBS.
REAR AXLE CURB WEIGHT	= 3,302 LBS.
FRONT G.A.W.R.	= 7,000 LBS.
REAR G.A.W.R.	= 13,500 LBS.
YIELD STRENGTH OF EACH CHASSIS FRAME	MINIMUM SECTION MODULUS REQUIRED
50,000 P.S.I. STEEL	= 15.31 in. ³
MINIMUM RBM/RAIL	= 765,360 IN-LBS

NOTES:
 FRAME RAIL MUST MEET OR EXCEED THE MINIMUM RBM REQUIRED.
 FULL LENGTH SUBFRAME REQUIRED:
 4"x3"x3/8" RECT. TUBING (ON TOP OF FRAME RAIL).
 3"x3"x3/8" SQ. TUBE CROSS MEMBERS (EVERY 3FT).
 CURB WEIGHTS FROM DIESEL TRUCK INDEX.
 FLATBED WEIGHTS ARE ESTIMATED.

TRUCK RUNS IN US (RULES FOR MOST STATES).
 7,000 LBS. ALLOWED ON FRONT AXLE GAWR.
 13,500 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. 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 066 D-3 CLX	
		Project Name: SALES LAYOUT	
Approved: CSV	Date: 3-23-17	Size:	Part No.
Date Approved:	Scale:	unit wt.	Eng. Job no.:

066 / SALES