



TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, NO PAYLOAD.	
TOTAL WEIGHT ON FRONT AXLE	= 6,600 LBS.
TOTAL WEIGHT ON REAR AXLE	= 8,410 LBS.
FRONT AXLE WT. PERCENTAGE	= 44 %
REAR AXLE WT. PERCENTAGE	= 56 %
GROSS VEHICLE WEIGHT	= 15,010 LBS.

TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, WITH PAYLOAD.	
TOTAL WEIGHT ON FRONT AXLE	= 6,400 LBS.
TOTAL WEIGHT ON REAR AXLE	= 13,100 LBS.
FRONT AXLE WT. PERCENTAGE	= 33 %
REAR AXLE WT. PERCENTAGE	= 67 %
GROSS VEHICLE WEIGHT	= 19,500 LBS.
PAYLOAD EVENLY DISTRIBUTED	= 4,490 LBS.

TRUCK SPECIFICATIONS	
TRUCK MODEL	= FORD F-550 4X4
WHEELBASE	= 205"
CAB TO AXLE	= 120"
AXLE-TO-FRAME	= 47", 93" REQUIRED
FRONT AXLE TARE WEIGHT	= 4,892 LBS.
REAR AXLE TARE WEIGHT	= 3,269 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
36,000 P.S.I. YIELD	= 24.17 in. ³
MINIMUM RBM/RAIL OF	870,000 IN-LBS

NOTE:
 FRAME RAIL MUST MEET OR EXCEED THE MINIMUM RBM REQUIRED.
 FULL LENGTH SUB-FRAME REQUIRED:
 4"x3"x3/8" RECT. TUBING (ON TOP OF FRAME RAIL)
 4"x3"x3/8" RECT. TUBING (CROSSMEMBERS)
 FLATBED WEIGHTS WERE ESTIMATED.
 CURB WEIGHTS ARE FROM FORD'S WEBSITE.

7,000 LBS. ALLOWED ON FRONT AXLE GAWR.
 14,706 LBS. ALLOWED ON REAR AXLE GAWR.
 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
 Hiab, Inc.
 12233 Williams Road
 Perrysburg, Ohio 43551
 Tel (419) 482-6000
 Fax (419) 482-6001

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.

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Next Assy.
 Dwg/Cad file no.
077 / SALES

Drawing Title: HIAB 077 B-3 HIDUO			
Project Name: SALES LAYOUT			
Drawn by:	Date:	Size:	Part No.
CSV	9-6-17	C	
Approval:	Date Approved:	Scale:	unit wt.
		N/A	Eng. Job no.: