



TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, <u>NO PAYLOAD.</u>	
TOTAL WEIGHT ON FRONT AXLE	= 8,560 LBS.
TOTAL WEIGHT ON TANDEM AXLE	= 18,830 LBS.
FRONT AXLE WT. PERCENTAGE	= 31 %
TANDEM AXLE WT. PERCENTAGE	= 69 %
GROSS VEHICLE WEIGHT	= 27,390 LBS.

TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, <u>WITH PAYLOAD AS SHOWN.</u>	
TOTAL WEIGHT ON FRONT AXLE	= 14,460 LBS.
TOTAL WEIGHT ON TANDEM AXLE	= 34,000 LBS.
FRONT AXLE WT. PERCENTAGE	= 30 %
TANDEM AXLE WT. PERCENTAGE	= 70 %
GROSS VEHICLE WEIGHT	= 48,460 LBS.
PAYLOAD AS SHOWN	= 21,070 LBS.

TRUCK SPECIFICATIONS	
TRUCK MODEL	= FREIGHTLINER 114SD SBA
WHEELBASE	= 290"
CAB TO TANDEM	= 224 1/2"
AXLE-TO-FRAME	= 130 1/2"
FRONT TARE WEIGHT	= 8,200 LBS.
TANDEM TARE WEIGHT	= 8,100 LBS.
FRONT G.A.W.R.	= 14,600 LBS.
TANDEM G.A.W.R.	= 40,000 LBS.
YIELD STRENGTH OF EACH FRAME RAIL	MINIMUM SECTION MODULUS REQUIRED
120,000 P.S.I. YIELD	= 16.52 in. ³
MINIMUM RBM/RAIL OF 1,982,400 IN-LBS	

NOTES:
 FRAME RAIL MUST MEET MINIMUM RBM REQUIRED.
 RISER REQUIRED FOR OUTRIGGER CLEARANCE:
 4"x4"x3/8" RECT. TUBING (ON TOP OF FRAME RAIL)
 3"x3"x3/8" RECT. TUBING (CROSSMEMBERS EVERY 3 FT.)
 CURB WEIGHT TOTAL WAS PROVIDED.
 SPLIT WEIGHTS WERE ESTIMATED.
 BODY WEIGHT IS ESTIMATED.

TRUCK RUNS IN US (RULES FOR MOST STATES).
 14,600 LBS. ALLOWED ON FRONT AXLE GAWR.
 34,000 LBS. ALLOWED ON TANDEM AXLE.
 48,600 LBS. ALLOWED FOR GROSS WEIGHT.
 ALLOWABLE LEGAL OVERALL LENGTH IS 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

Tolerances - unless otherwise noted.
 Tolerances are in inches
 3-PLACE ±.00..... .03
 3-PLACE ±.000.... .015
 ANGULAR ±1°
 FRACTIONAL ±1/16"
 Break all sharp corners unless otherwise specified.

Drawing Title:
 HIAB 158B-3 HIDUO CRANE

Project Name:
 SALES LAYOUT

Drawn by: Date: **6-6-17** **Size:** Part No.
CSV

Approval: Date Approved: **6-6-17** **Scale:** unit wt. **Eng. Job no.:**

Dwg/Cad file no.
 158 / SALES