



TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, <u>NO</u> PAYLOAD.	
TOTAL WEIGHT ON FRONT AXLE	= 18,890 LBS.
TOTAL WEIGHT ON TANDEM AXLE	= 18,530 LBS.
FRONT AXLE WT. PERCENTAGE	= 50 %
TANDEM AXLE WT. PERCENTAGE	= 50 %
GROSS VEHICLE WEIGHT	= 37,420 LBS.

TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, <u>WITH</u> PAYLOAD.	
TOTAL WEIGHT ON FRONT AXLE	= 20,000 LBS.
TOTAL WEIGHT ON TANDEM AXLE	= 24,660 LBS.
FRONT AXLE WT. PERCENTAGE	= 45 %
TANDEM AXLE WT. PERCENTAGE	= 55 %
GROSS VEHICLE WEIGHT	= 44,660 LBS.
PAYLOAD EVENLY DISTRIBUTED	= 7,240 LBS.

TRUCK SPECIFICATIONS	
TRUCK MODEL	= MACK LR64
WHEELBASE	= 242"
CAB TO TANDEM AXLE-TO-FRAME	= 217 1/2" USABLE
	= 94 1/2"
FRONT TARE WEIGHT	= 12,263 LBS.
TANDEM TARE WEIGHT	= 8,274 LBS.
FRONT G.A.W.R.	= 20,000 LBS.
TANDEM G.A.W.R.	= 46,000 LBS.
YIELD STRENGTH OF EACH FRAME RAIL	MINIMUM SECTION MODULUS REQUIRED
120,000 P.S.I. YIELD	= 12.25 in. ³
MINIMUM RBM/RAIL OF 1,470,000 IN-LBS	

NOTES:
 DOUBLE FRAME CHASSIS REQUIRED.
 FRAME RAIL MUST MEET OR EXCEED THE MIN. RBM REQ'D.
 4" x 4" x 3/8" SQ. TUBE RISER REQUIRED.
 CURB WEIGHTS SHOWN WERE PROVIDED.
 22' CONTAINER WEIGHT WAS ESTIMATED.
 ROLL OFF WEIGHT WAS PROVIDED AT 6,600#.

TRUCK RUNS IN US (RULES FOR MOST STATES).
 20,000 LBS. ALLOWED ON FRONT AXLE GAWR.
 34,000 LBS. ALLOWED ON TANDEM AXLE.
 53,000 LBS. ALLOWED FOR GROSS WEIGHT.
 OVERALL LENGTH MUST NOT 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.

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Tolerances - unless otherwise noted.
 Tolerances are in inches
 2-PLACE ±.000.... .03
 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. 138 / SALES

Drawing Title: **HIAB 138B-3 HIPRO CRANE**

Project Name: **SALES LAYOUT**

Drawn by: **CSV** Date: **11-12-18** Size: **unit wt.** Part No. **Eng. Job no.:**

Approval: **Date Approved:** **Scale:**