



TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, <u>NO</u> PAYLOAD.	
TOTAL WEIGHT ON FRONT AXLE	= 12,250 LBS.
TOTAL WEIGHT ON REAR AXLE	= 14,580 LBS.
FRONT AXLE WT. PERCENTAGE	= 46 %
REAR AXLE WT. PERCENTAGE	= 54 %
GROSS VEHICLE WEIGHT	= 26,830 LBS.

TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, <u>WITH</u> PAYLOAD.	
TOTAL WEIGHT ON FRONT AXLE	= 13,490 LBS.
TOTAL WEIGHT ON REAR AXLE	= 34,000 LBS.
FRONT AXLE WT. PERCENTAGE	= 28 %
REAR AXLE WT. PERCENTAGE	= 72 %
GROSS VEHICLE WEIGHT	= 47,490 LBS.
WATER LEVEL PAYLOAD	= 20,660 LBS.

TRUCK SPECIFICATIONS	
TRUCK MODEL	= FREIGHTLINER M2-106
WHEELBASE	= 265"
CAB TO TANDEM	= 199"
AXLE-TO-FRAME	= 116"
FRONT AXLE TARE WEIGHT	= 8,500 LBS.
REAR AXLE TARE WEIGHT	= 7,600 LBS.
FRONT G.A.W.R.	= 16,000 LBS.
REAR G.A.W.R.	= 40,000 LBS.
YIELD STRENGTH OF EACH FRAME RAIL	MINIMUM SECTION MODULUS REQUIRED
*120,000 P.S.I. YIELD	= 12.14 in. ³
MINIMUM RBM/RAIL OF 1,456,884 IN-LBS	
*RBM REQUIREMENT DETERMINED BY CRANE	

NOTES:
 FRAME RAIL MUST MEET THE MINIMUM RBM REQUIRED.
 RISER REQUIRED FOR OUTRIGGER CLEARANCE:
 4"x4"x3/8" SQ. TUBING (ON TOP OF FRAME RAIL)
 3"x3"x 3/8" SQ. TUBING (CROSSMEMBERS)
 BODY AND LIFT GATE WEIGHTS ARE ESTIMATED.
 CURB WEIGHTS ARE ESTIMATED.

TRUCK RUNS IN US (RULES FOR MOST STATES).
 16,000 LBS. ALLOWED ON FRONT AXLE GAWR.
 34,000 LBS. ALLOWED ON TANDEM AXLE.
 50,000 LBS. ALLOWED FOR GROSS 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... .05 3-PLACE ±.000... .015 ANGULAR ±1/16" FRACTIONAL ±1/16" Break all sharp corners unless otherwise specified.</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.		Drawing Title: HIAB 138B-3 HIDUO	
Project Name: SALES LAYOUT		Drawing by: Date: CSV 4-25-18		Size: Part No. C	
Dwg/Cad file no. 138 / SALES		Approval: Date Approved:		Scale: unit wt. Eng. Job no.: N/A	